

The CHEMIST AND DRUGGIST

or RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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APRIL 27, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.



TRADE MARK **'MERTHIOLATE'** BRAND

Sodium Ethyl Mercuri Thiosalicylate

'Merthiolate' is noted for its general applicability in clinical antisepsis. The germicidal action of 'Merthiolate' is prompt and its antiseptic effect is well sustained. Tincture 'Merthiolate' is intended for presurgical disinfection of the skin. Solution 'Merthiolate' is stainless, non-irritating and is intended for general clinical use. 'Merthiolate' is also supplied in ointment, cream, jelly and suppository forms.

PATA

ELI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS



*The
principle
behind
Wright's
Coal Tar
Soap*

For over 80 years Liquor Carbonis Detergens has been used and recommended by specialists in skin diseases because of its antiseptic and antipruritic powers. Today those powers are more effective than ever before, thanks to continuous laboratory research and much improved methods of manufacture. Based on this therapeutic principle, Wright's Coal Tar Soap, mild and soothing in action, gives health protection to the skin.



IDEAL FOR TOILET AND NURSER

FOR THE

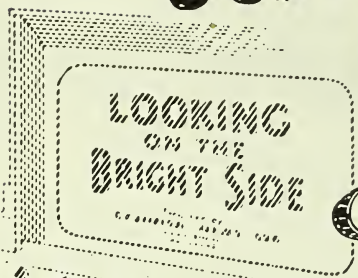
Pharmaceutical

INDUSTRY

ACETYSALICYLIC ACID B.P.
 ASPIRGRAN
 BENZOIC ACID B.P.
 CARBOLIC ACID (PHENOL B.P.)
 CRESOL B.P.
 CRESANTOL-3
 CRESANTOL-15
 DIETHYL PHTHALATE
 DISINFECTANTS
 LYSOL B.P.-MONSANTO
 METHYL SALICYLATE B.P.
 P.C.M.C. (CHLOROCRESOL B.P.)
 P.C.M.X. (CHLOROXYLENOL B.P.)
 PHENACETIN B.P.
 PHENOLPHTHALEIN B.P.
 SALICYLIC ACID B.P.
 SODIUM BENZOATE B.P.
 SODIUM SALICYLATE B.P.
 VANILLIN-MONSANTO

Monsanto

JUST



LOOKING
ON THE
BRIGHT SIDE

2 MINUTES..

May we have 'just two minutes of your time' to advise you that — with the aid of our new 2-minute film, "Looking on the Bright Side," we are telling many of your customers about BiSoDoL. The film is being shown in over 600 cinemas of the Odeon/G-B Circuits until October, and will be seen by over 6 MILLION people throughout the country.

Will you co-operate with us by making 'tie up' displays of 'BiSoDoL' — particularly during and following the showings of the film in your local cinema?

Here are just a few of the Cinemas booked:

W/c 29th April, 1946:

AIRDRIE	Pavilion
BLACKFEN	Plaza
BLACKPOOL	Odeon
BRIERLEY HILL	Odeon
BURY ST EDMUNDS	Odeon
CAMBERLEY	Arcade & Regal
CLEVELEY	Odeon
FARNBOROUGH	Rex & Scala
FROME	Gaumont
GLASGOW—Dennistoun	Parade
.. Gorbals	Paragon
.. Ibrox	Capitol
.. Kings Park	Florida
.. Rutherglen	Odeon
.. Shettleston	Odeon
NEWTON ABBOT	Odeon
SCARBOROUGH	Odeon
WELLING	Odeon
WEST WICKHAM	Odeon

W/c 6th May:

BURNLEY	Odeon
CIRENCESTER	Picture House

DONCASTER	Gaumont
DURSLEY	Victoria
EDINBURGH	New Picture House
..	New Victoria Cinema
..	Rutland Picture House
..	St Andrews Square
..	Picture House
..	Abbeymount
..	Leith
..	Capitol
HERNE BAY	Odeon
RAMSGATE	Odeon
SITTINGBOURNE	Odeon
SWANSEA	Maxime
WARRINGTON	Odeon
WEDNESBURY	Gaumont
WILLENHALL	Picture House

CHANNEL ISLANDS

GUERNSEY, St. Peter Port	Gaumont Pal
JERSEY, St. Helier	Opera House

W/c 13th May:

ASHTON-U-LYNE	Majestic & Odeon
---------------	------------------

BELFAST	
BURY	
LONDON—Golders Grn	Regal & P
.. Kilburn, N.W.	Ce
.. Swiss Cottage, N.W.	Gm
NORTH SHIELDS	Borough & P
SUNDERLAND	Havelock & P
WALLSEND	Bo
WHITLEY BAY	B

W/c 20th May:

ACCRINGTON	
CREWE	
ERITH	
LONDON—Eltham, S.E.	
.. Greenwich, S.E.	
.. Wellhall, S.E.	
.. Woolwich, S.E.	
LYDNEY	Picture
PERTH	Athambra & B.B. C
STAFFORD	
STROUD	Ga
WALSALL	Odeon & Picture

Please look to your stocks of

★ SHOWCARDS

A limited number of BiSoDoL showcards is available if you have insufficient on hand. If you need display material, please send us a postcard — or ask our Representatives

BiSoDoL

(REGD.)

Sole Distributors
KOLYNOS (Sales) LTD., 12, CHENIES
LONDON, W.C.1

EVANS

EVANS DERMAL POWDER



Evans Dermal Powder (E.D.P.), an ideal antiseptic dressing for minor wounds, should be in every home. It promotes rapid healing, reduces the risk of infection and is painless on application. E.D.P. can be recommended with confidence to sufferers from sore feet.

Retail price per sprinkler tin:

Standard size 2/- (inc. tax) Hospital size 6/8 (inc. tax)

Evans Dermal Powder is made in England by

EVANS MEDICAL SUPPLIES LTD
Liverpool and London

©

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

KERFOOT'S BACTERIOLOGICAL SUGARS

Prepared under ideal conditions which ensure the utmost possible degree of chemical purity.



Descriptive Leaflet on request—

Thomas Kerfoot & Co. Ltd., Vale of Bardsley, Lancashire

ARABINOSE · DULCITOL
INULIN · GALACTOSE
LACTOSE · MALTOSE
DEXTRINE (Precip. Starch Free)
DEXTROSE (Cryst. Anhydrous)
MANNITOL · RAFFINOSE
SACCHAROSE · SORBITOL

PROMOTES DEEP
REFRESHING
SLEEP

Cadbury's
BOURN-VITA
NEEDS NO SUGAR

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BRITISH SCHERING LTD.

185/190 HIGH HOLBORN, W.C.1

*The Offices and Warehouse
will be closed*

from THURSDAY, MAY 2nd, 1946, 5 p.m.

till TUESDAY, MAY 7th, 1946, 9 a.m.

when they will re-open at

167-169 GT. PORTLAND STREET, W.1

During this period urgent supplies may be obtained through
Messrs. BELL & CROYDEN or Messrs. MARTINDALE'S
WIGMORE STREET, W.1

phone: Welbeck 5555

WIGMORE STREET, W.1

phone: Welbeck 0171



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The BIG 3 1/4" SIZE is selling well



Since we re-introduced the big 3 1/4" size sales of Urillac have increased leaps and bounds. See your stores are adequate to meet the growing demand. Display the attractive Urillac packs on your counter and reap the benefit from our consistent National Advertising.

URILLAC

On the **PATA** Protected List.

SOLE DISTRIBUTORS: W. B. CARTWRIGHT LTD., RAWDON, LEEDS



"I know it is difficult"

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.

Special Chemists' Display Material is still available, so write to-day for a supply.

**RENDELLS
SILATEX
SANTRON
MENSINOLE**

RENDELLS PRODUCTS
PATA
For Feminine Hygiene

RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1



for
**PHARMACEUTICAL
 PRODUCTS**
of
OUTSTANDING

Quality

PILLS • TABLETS
 (Packed or Bulk)

•
'OWN NAME'
FORMULÆ
 •

ARTHUR H. COX & CO. LTD.
 MANUFACTURING CHEMISTS • BRIGHTON



FOUNDED - 1839

*Your
 Dental Supplies*
**SELTO PRODUCTS
 IN STEADY DEMAND**

- **SELTO DENTAL SALT**
 In bottles 1/10½; refills 1/7 (inc. tax).
 - **SELTO SOLUBLE**
 an oxygenating immersion Dentine
 Cleanser. Bottles 2/2 and 1/3 (inc. tax).
 - **SELTO DENTURE POWDER**
 for use with a brush and especially
 suitable for Acrylic Resin 1/10 (inc. tax).
- Direct Display terms show approximately 39% profit
 on sales. (33½% discount, 13 to dozen.)

SELTO (Eastbourne) Ltd.
HAMPDEN PARK, EASTBOURNE



Our Policy

A service is never complete until that
 "extra bit of trouble" has been
 taken, and even in these times, this
 continues to be our policy.
 Our clients and friends know they
 can rely on us to give a quick
 comprehensive service and a fair
 allocation of our supplies.

Ferrymans
 OF SOUTHAMPTON

*Wholesale and Manufacturing Chemists and
 Wholesale Druggists, Suppliers of Propri-
 etaries, Drugs, Sundries, Packed Goods and
 Pharmaceuticals.*

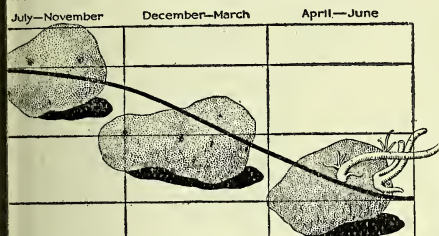
HERBERT FERRYMAN LTD.
 COBDEN BRIDGE, SOUTHAMPTON.

Telegrams: *Ferryman Southampton* Telephone: *74041 (5 lines)*

Vitamin C & Seasonal Decline

Seasonal decline in the Vitamin C content of natural foodstuffs may result in the diet itself becoming deficient.

Seasonal Decline in Vitamin C Content.



AVERAGE COMPOSITION OF POTATOES

The average composition of potatoes was given by the Ministry of Health as follows: Water, 78%; protein, 2%; carbohydrate, 16.2%. Every 100 g. equals 70 calories and contains on an average: calcium, 8 mg.; iron, 0.7 mg.; vitamin C when freshly lifted, 30 mg.; before Christmas 12 mg.; after Christmas 6 mg.; vitamin B₁, 0.07 mg.; riboflavin, 0.07 mg.; nicotinic acid, 1.4 mg.

Vitamin C may also be partially or totally destroyed as a result of cooking. At this period of the year garden produce is scarce and fresh fruit is available only in very small quantities.

The potato, which is the popular source of Vitamin C from vegetables, shows a seasonal decline in vitamin C content which may be serious, especially for the young, expectant and nursing mothers, and the ailing and infirm. As a prophylactic measure against the subscorbutic state Vitamin C is given in daily doses of 25 mg. to 75 mg. For therapeutic use larger doses are prescribed.

'REDOXON'

VITAMIN C

Ample Supplies Available



Packings: Tablets, 50 mg. in 20's, 100's and 500's; 25 mg. in 50's, 250's, 500's and 1,000's; 5 mg., Babies' 'Redoxon' tablets in 50's and 500's. Ampoules 100 mg. in 6's and 50's; 500 mg. in 3's and 25's.

ROCHE PRODUCTS LTD.

WILLYN GARDEN CITY · HERTS

Scottish Depot: 665, Great Western Road, Glasgow, W.2.

Order in the new 1/- pack



Trade prices: 8/- per doz. 1/- packs of 4; also singles in display box illustrated 24/- per gross.

From your wholesaler or direct from Makers:

KAY BROTHERS LTD.
STOCKPORT

DR. NIBLETT'S VITAL RENEWAL NERVE SEDATIVE

TRADE TERMS—33½% to Chemist through your Wholesaler.

Retail Price 5/- per bottle, including tax

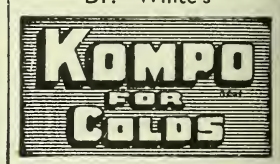
Prepared by C. P. NIBLETT Est. 1907

10, Lichfield Terrace

RICHMOND, SURREY

Phone RIC 111

Dr. White's



Manufactured only by

J. F. WHITE & CO., LTD.

Levington Laboratory, Benson St., Lee 7



RETAIL
PRICE

50's — 3/4

500's — 27/8

(INCLUDING PURCHASE TAX)

*Ample supplies
available
In case of difficulties
communicate direct with*

TAXOL

BIOLOGICAL TREATMENT OF

CONSTIPATION

CONTINENTAL LABORATORIES LTD. 101, Gt. Russell Street, W. 1



ing again

New Fashion Merchandise

VANITIES • MANICURES • SPRAYS • ZIPPERKITS
 • MANICURE ACCESSORIES
 • PLASTIC BEAUTY GOODS

★ The above photograph is of a mask of modern design, produced by Jon Douglas of Golders Green, to whom we make acknowledgment.

MAW, SON & SONS, LIMITED,
 BERSGATE HOUSE, NEW BARNET, HERTS.

YOU'LL BE GLAD OF LEXIL SOON

THE PRESENT SERIOUS
FOOD POSITION IS
GOING TO SEE A BOOM
IN BOTTLING.

Stock up now with LEXIL, the simple
Fruit and Jam Preserver that requires
no Caps, Clips or Special Jars.

New improved pack available for this season's trade. National advertising now commencing in all the principal ladies' papers.

In past years we have received many orders direct where the public could not buy locally. We do not seek or want this business. Our policy is to sell through Chemists exclusively



RETAILING AT

2/9 lb. TIN

less 33 1/3% trade term

Through your wholesaler or direct from :

CRODA LIMITED, RAWCLIFFE BRIDGE, GOOLE, YORKS

GROUND DRIED YEAST

MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY LEEDS

DON BRYAN LTD.

Wholesale Chemists & Druggists
176/177 HIGH STREET, SWANSEA
Serving
SOUTH, WEST, and MID-WALES
Supplying
CHEMISTS ONLY

MILLAMALT

Sole Manufacturers.
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road

The VITAMIN MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

HALIBUT LIVER OIL CAPSULES

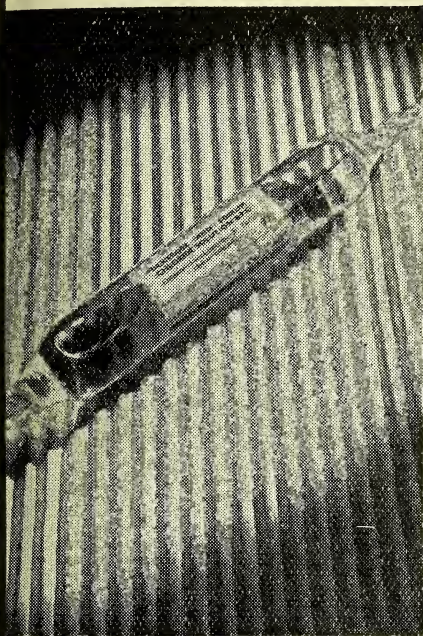
We can still supply by return of post.

Boxes of 24 Capsules 11/- doz., 60, 22/- doz.,

LOFTHOUSE & SALTMER LTD. HULL

PATA





Ampoules for Export . . .

When emergency calls for intravenous therapy, purity and reliability of medicament are of paramount importance. Our long experience in hypodermic pharmaceuticals enables us to offer products of constant dependability.



MANUFACTURING CHEMISTS
ESTABLISHED 1860 • DERBY 4266-8

THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS

**SURE
SHIELD'**



Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.

2nd. Due to the position, all additions can only be treated as separate orders.

3rd. When writing with reference to an order on hand, please give **exact date** when sent on.

"SURE SHIELD"

Registered Trade Mark

DISINFECTANT THROAT TABLETS

FRUIT LAXATIVES

GLYCERINE OF THYMOL

PASTILLES

ASTILLES LOZENGES

TABLETS

T. Guest & Co. Ltd. Manufacturing Chemists
Cuthberts Street, Manchester, 4

Popularising the HARLENE HEADLINE

In Advertisements in the National Press



AND

INTRODUCING REVISED RETAIL PRICES **PATA**

OPERATING FROM MAY 1ST 1946

RETAIL PRICES INCLUDING PURCHASE TAX HARLENE

Hair Grower and Tonic	-	-	2/3 and 5/5
Camomile Golden Hair Wash	-	-	2/3 and 5/5
*Camomile Shampoo Powders	-	-	4d. each.
Hair Cream	-	-	2/3 and 4/0 ¹ / ₂
Wave Setting Lotion	-	-	2/3
Golden Wave Set	-	-	2/3
*CREMEX Shampoo Powders	-	-	4d. each.
UZON Brilliantine	-	-	2/3
ASTOL Hair Colour Restorer	-	-	3/7 and 6/3 ¹ / ₂
* 1/6 packets discontinued.			

EDWARDS HARLENE LTD.

58 GOUGH STREET, LONDON, W.C.1

potent antibiotic for topical use

Tyrothricin Concentrate, Sharp & Dohme, is a powerful antibiotic agent which by simple topical application—exerts high selective activity against many persistent, serious infections.

Derived from Dubos' soil *Bacillus* (*Bacillus brevis*), Tyrothricin—even when applied in high dilutions—combats gram-positive organisms such as pneumococci, streptococci, staphylococci diphtheria bacilli and certain anaerobic bacilli.

This exceptional antibiotic has demonstrated its effectiveness in the treatment of superficial indolent ulcers, abscesses of the skin and soft tissues, chronic purulent otitis media, mastoiditis, empyema, and certain types of wound infections.

Tyrothricin is used in various strengths, but is commonly employed as an isotonic solution containing 0.5 mg. per cc. by instillation, irrigation or wet dressing. It may be instilled into various body cavities not connected with the blood stream (such as paranasal sinuses, urinary bladder and pleural cavity). It is not indicated for parenteral injection or for oral use.

Tyrothricin Concentrate, Sharp & Dohme, is supplied as follows: Package containing 1 cc. ampoule of a concentrated solution of Tyrothricin, 25 mg. per cc. and a vial containing 49 cc. of pyrogen-free, sterile, distilled water for diluting the concentrate before use. Also supplied in 20 cc. vials of a concentrated solution of Tyrothricin, 25 mg. per cc. Sharp & Dohme, Ltd., Hoddesdon, Herts.

TYROTHRIN concentrate

**Sharp
& Dohme**

Kemball, Bishop

& Co. Ltd

**MANUFACTURING
CHEMISTS**

**CITRIC ACID - TARTARIC ACID
CREAM OF TARTAR - ROCHELLE SALTS
CALCIUM GLUCONATE
LITHIUM CARBONATE
CHLORIDE AND HYDROXIDE**

QUALITY GUARANTEED

**CROWN CHEMICAL WORKS, - THREE MILL LANE,
BROMLEY-BY-BOW, LONDON, E.3**



SCIENCE WITH PRACTICE

Established 1835

MEDICINAL RESINS & OLEO RESINS

PODOPHYLLIN · JALAP



OLEO RESIN GINGER · OLEO RESIN CAPSICUM

Stafford Allen's

STAFFORD ALLEN & SONS, LTD., WHARF ROAD, LONDON,

TAS/AL.

**CREAM OF
TARTAR
B.P.**

Manufactured by



Bush

J BUSH & CO LTD · LONDON E8 · ENGLAND

Announcing **GP**

COLOURLESS TAR CREAM

(‘Genatosan’ Dermatological Cream No. 19)



Contains the active principles of coal tar in an emulsified ointment base, but is free from the irritant and inert substances which are present in black tar.

The product is clean in use, will not cause irritation, and is par-

ticularly effective as an antipruritic.

Indicated for pruritus, prurigo, intertrigo, dermatitis, lichenification, infantile and chronic eczema, psoriasis and all other conditions where tar therapy is of value.

Retail 4-oz. 3/9 Trade (doz.) 27/- Bulk sizes are also available.

A 'GENATOSAN' PRODUCT

GENATOSAN LTD., LOUGHBOROUGH, LEICESTERSHIRE

Telephone: Loughborough 2292

Laboratory Precision

FOR over thirty years, through the disruption of two world-wide wars, Laboratory-tested formulae and Laboratory-checked manufacturing processes have ensured the high standards of therapeutic efficacy of all I.C.C. products.

It is this confidence in our products, encouraged and engendered by the honest statements of fact in our advertising, that sends back your customers for further supplies.

We are justly proud that our high standards have, through many difficult times, never been lowered, and we feel we can look forward with supreme confidence to a worth-while future of collaboration between our colleagues in the Trade and ourselves.

'BISURATED' MAGNESIA 'PINEATE' HONEY COUGH-SYRUP
'LIMESTONE' PHOSPHATE 'FREEZONE' CORN REMOVER

P.A.T.A.



International Chemical
Co., Ltd.
Clifton House, Euston Road,
London, N.W.1.

SPONGES

Limited SUPPLIES will be
AVAILABLE for RETAIL
TRADE in the near future

If you have not already done so,
please send a postcard—we shall be
pleased to RECORD YOUR NAME
for earliest possible delivery

CRESSWELL BROTHERS AND MARKS

(INTERNATIONAL SPONGE IMPORTERS LTD.)

17/21, 20/24 EMERALD STREET
HOLBORN, W.C.1

Telegrams: SPONGE, HOLB., LONDON
Telephone: CHAncery 7526/7

CHANGE OF ADDRESS

POND'S EXTRA CO., LTD.

*has moved from its
war-time address at
24 Bruton Street,
London, W.1*

*to its old offices at
Wadsworth Road,
Perivale,*

Greenford, Middles.

TELEPHONE: - - PERIVALE 49
TELEGRAMS: ASTRINGENT. GREENF.

The New Barrier Cream!

dermOclean

"NO MORE DIRTY HANDS"

Contains 0.2% *p*-chlor-m-cresol—
a powerful antiseptic and germicide

Applied to the hands, the imperceptible coating
effectively prevents dirt from penetrating the
pores. When hands are washed, the skin is
clean and smooth.

A display on the counter appeals to a wide
range of customers, such as the MOTORIST,
GARDENER, HANDYMAN & HOUSEWIFE.
(Showcard Available)

Retail Price: 2/- per pot, including Purchase Tax.

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C.A. 11

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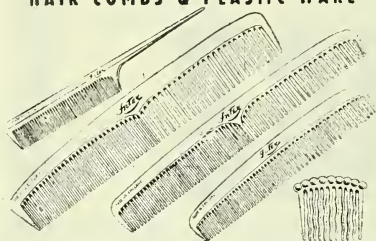
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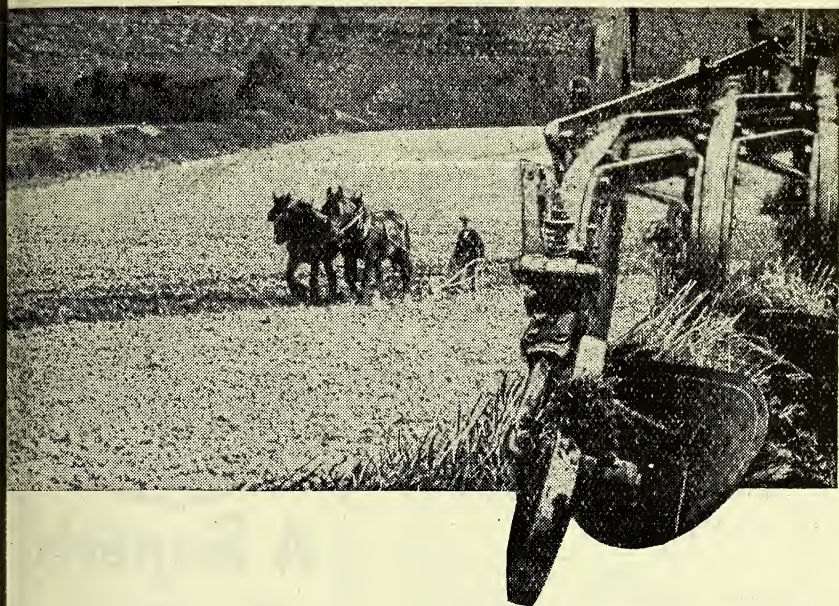
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NEWS OF THE WEEK

Mid for Chemical Engineers.—Speaking at the annual luncheon of the Institution of Chemical Engineers in London recently, Sir John Anderson emphasised the need for more trained chemical engineers to help secure increased efficiency of production and enable this country to hold her own in the coming years. The president of the Institution stated that, in the United States, about 2,500 graduates were entered in chemical engineering courses every year, against forty only in this country.

Penicillin Surplus by May.—Great Britain will have a surplus of penicillin by May 1946, some available for export, stated Mr. T. Keep (controller of supply and distribution of penicillin, Ministry of Supply) on his arrival at Halifax, Nova Scotia, from Britain recently. Accompanied by Professor H. Raistrick (professor of biochemistry, London School of Hygiene and Tropical Medicine), Mr. Keep is on a visit to Montreal and the United States to discuss plans with scientists with whom they collaborated during the war.

Demobilisation of Pharmacists.—The number of pharmacists serving in H.M. Forces, and the estimated number due for release by June 1946, are given in the following table:—

	Estimated number in Forces at June 1945	Estimated number due for release by June 1946		Total
		Class A	Class B	
Army	2,893	794	128	922
Navy	359	229	5	234
Air Force	800	328	62	390
Totals	4,052	1,351	195	1,456

Restrictions on Food Exports.—Exports of processed foodstuffs containing ingredients in short supply are being severely restricted until further notice. The decision does not affect processed foodstuffs containing essential oils, flavouring compounds (unsweetened), flavouring essences, fruit juices, unsweetened, in bulk, herbs (culin-

ary), infant and invalid foods, isinglass, lactose, lecithin, malt extracts, medicated sweets, preservatives, colouring, and foam liquids, rennet, including junket and rennet powders, saccharin, spices (except cinnamon, mace, nutmeg and pepper), vinegar (other than malt vinegar), yeast, yeast extracts. Where export licences have been required they continue necessary. Products affected by the revised export policy include patent barley, pearl barley, chocolate and sugar confectionery, glucose, starch food powders, and vinegar (malt).

Vitamin C Control Withdrawn.—Under S.R. & O., 1946, No. 537 (H.M. Stationery Office, price one penny) the Vitamin C (Control) Order, 1941, is revoked.

Demand for Chemist's Shop.—Runcorn Trades Council is pressing for the provision of a pharmacy in Weston Point, Runcorn, the home of one of the chemical plants of Imperial Chemical Industries, Ltd.

Trading with the Enemy List.—The Board of Trade has issued a new list of names and addresses of overseas concerns with which it is unlawful to trade. The list is given as a schedule to S. R. & O., 1946, No. 529 (H.M. Stationery Office, price one penny).

Hull Oil and Colour Chemists.—At the annual meeting of the Hull Section of the Oil and Colour Chemists' Association recently, the following were among officers elected:—*Chairman*, Mr. W. Geary; *Vice-chairman*, Mr. E. S. Wilson; and *Secretary*, Mr. S. T. Read.

Glasgow Annual Meeting.—At the annual meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society recently, the following officers were elected: *President*, Mr. R. M. McCrone; *Vice-president*, Mr. S. Hughan; *Secretary and Treasurer*, Mr. Andrew Officer.

Peterborough Dispensing Rota.—Peterborough chemists have decided to arrange that three shops in the city shall remain open until 7.30 p.m. on weekday evenings for dispensing National Health Insurance prescriptions, and that the other shops shall display a notice stating which are open.

Ha'f-holidays in Renfrew.—A recent suggestion to the town council that chemists should "stagger" their weekly half-holiday has been turned down on account of the proximity of Paisley, and of the fact that any chemist in Renfrew would be prepared in an emergency to come out during his half-holiday.

Bristol Dinner and Debate.—The Bristol Section of the Royal Institute of Chemistry held an informal dinner recently at which Dr. T. Malkin (chairman of the section) presided. Later in the evening Dr. J. T. Ellingham (secretary of the Institute) initiated a discussion on "Service to Chemistry and Chemists."

British Association of Chemists.—The Slough Branch of the British Association of Chemists held its inaugural meeting recently when Dr. A. E. Dunstan (chemist, Anglo-Iranian Oil Co., Ltd.) gave a lecture on "Petroleum—a Source of Synthetic Materials." The Branch intends to hold monthly technical meetings.

Reciprocity of N.H.I. Benefits with Eire.—Reciprocity of benefits concerning health, pensions, and other insurance matters is the subject of negotiations between the British and Irish Governments proceeding at the present moment. A schedule for such an arrangement has been published recently in the form of an order (S. R. & O., 1946, No. 538).

Black Market Razors.—In reply to a question concerning the sale of German scissors, razors and combs in Petticoat Lane, London, asked at the annual conference of the National Hairdressers' Federation recently, the general secretary said that imports of foreign tools were permitted until certain goods found their way into the black market.

American Penicillin Factory in Glasgow.—A £625,000 factory for the production of penicillin at Hillington, Glasgow, is the project of the Heyden Corporation, New York, U.S.A. Conclusion of the arrangements depends on the granting of the necessary licence by the Ministry of Production. Equipment is ready for shipment from the United States.

Chemical Research Exhibition.—To draw attention to the public how, under the stimulus of war, British chemists made discoveries of permanent importance to mankind, an exhibition of British chemical research is being organised by Imperial Chemical Industries, Ltd. The exhibition, the largest of its kind in Britain, will be held at the Tea Centre, Lower Regent Street, London, S.W.1, in June.

Pharmacy Students in Conference.—The annual meeting of the pharmacy faculty committee of the National Union of Students was held in Manchester recently. Among the speakers were members of the staff of the pharmacy department, Manchester University, including the principal.

H. Brindle). Student speakers urged desirability of further control over into the profession.

Romford Branch Officers.—At the annual meeting of the Romford Branch, Pharmaceutical Society, held on April 8, the following officers were elected: *Chairman*, R. E. Frizzell; *Vice-chairmen*, Messrs. J. Thomas and W. D. M. Kemp; *Treasurer*, Mr. F. W. Paterson; *Secretary*, W. D. M. Kemp. Mr. R. E. Frizzell, new chairman, and chief pharmacist at Oldchurch Hospital, Romford) later gave an address on "The Dispensing of Penicillin."

Imitation Penicillin.—Seven men and women, believed members of a gang, from the beginning of 1946, has been manufacturing imitation penicillin, arrested in Berlin recently by the German police, in co-operation with British American detectives. The material used to have fetched on the "black market" as much as £375 an ampoule; forms were made, the first based on penicillin and the other on a yellow face-powder.

Chemists-Opticians' Diploma.—"The Diploma in Ophthalmics Examination of the Institute of Chemists-Opticians" (abbreviated to "D.Opt.") will become the official diploma of the Chemists-Opticians' diploma on January 1, 1948. Supplementary certificates in orthoptics and contact lens fitting will be issued. The examination is to be divided into two parts, and additions to the syllabus include the dispensing of eye preparations and antibiotics for ophthalmic use.

Southend Branch Officers.—At the annual meeting of the Southend Branch of the Pharmaceutical Society held recently, the following officers were elected:—*President*, Mr. R. Heywood; *Secretary*, Mr. B. Balch; *Treasurer*, Mr. O. T. French; *Member of Trade Representative*, Councillor B. Clarke; *Entertainment Secretary*, Mr. A. Aldridge. Mr. E. B. Bunting, after twelve years, recently retired from the secretaryship, was thanked for his services by the president.

Dundee Presentation.—On retiring after six years' service as secretary of the Dundee Pharmaceutical Committee, Mr. J. Milne was presented with a gift of a watch at the annual meeting of the Dundee Branch, Pharmaceutical Society, recently. The following officers elected at the meeting: *President*, Mr. A. R. Lawson; *Vice-*

president, Mr. G. Mitchell; *Joint Secretaries*, Mr. C. W. Macfarlane and Miss E. Fyfe. Mr. J. Anderson was nominated to the board of directors of the Technical College, Dundee.

Wine Licences.—Mr. G. H. Dean, M.P.S., Catterick Camp, Yorks, has been granted a licence to sell wines by retail.—Gamwell & Pinder, chemists, Gammull Lane, Ribblesdale, Preston, Lancs, have received confirmation of the granting to them of a wine licence. An undertaking was given not to sell wines on Sundays.—Mr. B. B. Tennett, M.P.S., has been granted a wine licence at 1 Clarence Road, Derby (Wrights' Cash Pharmacy, Ltd.), on the understanding that sales are restricted to seven brands of medicated wines.

Anglo-U.S. Patent Agreement.—Agreement was reached in Washington, D.C., U.S.A., recently, between the British and United States Governments, on amendments to the Patent Interchange Agreement of August 24, 1942. The amendments are intended to eliminate suits for infringements arising out of each Government's use, in war production, of patents owned by nationals of the other Government. Provisions in the new agreement describe, clarify and implement the indemnities of the two Governments, and meet practical problems that have arisen during the war.

Royal Society Fellowships.—At the annual meeting of the Council of the Royal Society recently, the following were among candidates recommended for election: Agnes Arber (botanist), Cambridge; Wilson Baker (professor of organic chemistry), Bristol; George Lindor Brown (medical member of the staff of the Medical Research Council); Frank Dickens, Newcastle (director of research, North of England branch, British Empire Cancer Campaign); Harry Julius Emelus (reader in inorganic chemistry, Cambridge); and John William Trevan (a director, Wellcome Physiological Research Laboratories).

Research in Technical Colleges.—Plans for encouraging research in Technical Colleges are discussed in a circular issued recently by the Ministry of Education (Circular 94). A recent survey, states the circular, "shows a limited variety of scope and practice in existing technical institutions, and, taking the country as a whole, the total contribution to research has been comparatively small." Responsibility is attributed to the attitude of certain

local authorities; other difficulties arise over the particular circumstances of teachers' employment. Technical colleges are probably most suitably adapted for applied research, undertaken in close co-operation with industry and commerce. Attention is drawn to the grants made to individual research workers through the Department of Scientific and Industrial Research, and "the time has come," the circular states, "to recognise that research should be regarded as a normal and important function of technical colleges."

Pharmaceutical Society Examination Results.—The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examinations held in April.

ENGLAND AND WALES :—

Bartlett, Brian George, Frome
Coates, George Arnold, Rickmansworth
Esson, Mary Kathleen, Derby
Gibbs, Percy Joseph, Evesham
Hall, Mary Antonina Grace, Hatch End
Hudson, Philip Harry, Swindon
Penny, Rosemary Alice, Melton Mowbray
Rogers, George Henry, Leigh
Smith, Margaret Dorothy, Derby.

SCOTLAND :—

Bell, Harold, Arnside, Lancs
Blackwood, David William, Milngavie
Boothman, Muriel, Todmorden
Coleman, Edward Joseph, Yeadon, Leeds
Hyslop, Morag Gibson McLeod, Wishaw
Michie, Elizabeth, Motherwell
Moss, John, Wigan
Munson, Maurice Edgar, Sheringham
Ormiston, George, Glasgow
Silverman, Joe, Leeds
Sinclair, Janet Anderson Clark, Greenock
Varty, Thomas, Consett.

Comma Raises a Query.—That the absence of a comma permitted the use of sulphur dioxide as a preservative in a lemon flavoured was the contention of the manufacturers of a product examined by the City Analyst's department, Birmingham, recently. The sample was found to be citric acid with a small amount of starchy material flavoured with oil of lemon and containing 118 parts per million of sulphur dioxide. The makers said they regarded their product as an unsweetened cordial, in which the preservative was permissible. The department quoted the relevant section of a schedule to the regulations, as follows : "Non-alcoholic wines, cordials and fruit juices, sweetened or unsweetened, 350 parts per million sulphur dioxide," but contended that the wording, as laid down in the final report of the departmental committee before the regulations were published, had placed a comma after the word cordial to make it clear that the words "sweetened

or unsweetened," referred only to fruit juices, and that no such article as unsweetened cordial was recognised. The product should in any event have been labelled as a cordial. When the Minister of Food was communicated with, he did not refer to the disputed comma but intimated that the firm possessed no licence to manufacture the flavoured product.

IRISH NEWS

Cork Guild's Dinner.—The Guild of Pharmacy, Cork, which is representative of all sections in the profession and the drug trade, is holding its second annual dinner at the Metropole Hotel, Cork, on May 2.

Forthcoming Lecture Tour.—Dr. J. Wrigley (director of clinical research, Roche Products, Ltd.) will commence a series of lectures illustrated by film on "The Vitamins" in Cork and Dublin on May 2. The Guild of Pharmacy has arranged for the lecture to be given at Cork on May 9.

Cork Chemists' Association.—A correspondent writes : Apropos your recent note on Mr. Blair (April 6, p. 427) it may be inferred that the Guild of Pharmacy is the only pharmaceutical body in Cork. There is also the Cork and District Chemists' Association, which looks after trade matters and is allied to the Irish Drug Association. The Guild is a body established to promote goodwill amongst all sections connected with pharmacy, but does not deal with trade matters. These come within the province of the Association.

Chemists' and Druggists' Society.—The annual meeting of the Chemists' and Druggists' Society of Ireland was held in Belfast on April 10. In moving the adoption of the annual report Mr. Storey (President) said controls and restrictions would continue for another five years, making eleven years of regimentation, and that young business people would have to face with a critical eye the changes in public health services in order to safeguard their rights. Mr. Storey reported that he had addressed a meeting of the Irish League Association on the abolition of the Registered Druggist grade. Mr. F. T. Smyth, J.P., moved the re-election of Mr. Storey as President, Mr. S. Nevin seconded. Mr. Gibson (Treasurer) and Mr. H. Quitty (Secretary) were also re-elected. Mr. H. Johnston and Mr. Nevin were appointed representatives on the Beneficent Fund Committee. Mr. Storey was reappointed to represent the Society on the Belfast Chamber of Commerce.

TOPICAL REFLECTIONS

Good Day's Work

Those who took part in the two discussions on the National Health Service at the meetings on April 9 (pp. 502-07) have reason to be satisfied. The proceedings were businesslike and of appropriate length. During the past thirty years or so I have observed a welcome improvement in the average level of the speeches made at conferences. At various times in the years 1914-18 the course of events brought me in consultation members of the various trades, or of allied trades, who were interested in obtaining supplies of materials or licence from the Government of the day. Too often at these meetings time was consumed by speakers intent on airing their own grievances. One such meeting afterwards described to me by the speaker of a well-known wholesale house as a failure. Happily this type of meeting has become rare if not extinct. As your report shows, the speeches at both the meetings on April 9 had substance and merit. In ending this paragraph (and so omitting the virtues of the speakers mentioned to) I may perhaps underline the work of a South-west London delegate when he tough part of the job is just beginning. When the discussion of terms and conditions reaches what may be called the committee stage, concentrated attention to many issues involved will become the strenuous and pressing duty of the negotiating committee.

Elastic "Ship"

The fact that the British Plastics Federation has just held its twelfth annual luncheon (p. 496) is a measure of the growing importance of the plastics industry. Using the metaphor of a ship, the chairman (Mr. H. F. Graesser-Thomas) referred to the situation as well-founded, a term that will commend itself to all who have a first-hand knowledge of the mercantile marine. The chairman went on to announce the formation of a raw materials group, another sign of increasing scope. While we all know in a general way that during 1939-45 plastics materials and products were in excessive demand for weapons and appliances used in the recent war, it has come as a surprise to most of us that "more than 95 per cent. of the total plastics production of this country has gone either directly into the forging of weapons of war, or into the hands of the various government departments for the further-

ance of the war effort." The problem of converting plant and equipment to the uses of peace must, as was indicated, be formidable. The skill of technical experts will, no doubt, be equal to the situation, a variant on the converse one of the early months of war. Before long we ought to see in our shops an increase in the number and variety of goods made from plastic materials.

Pedigree Perfumes

The announcement that a popular perfumery house has launched a new perfume in the United States after some years of experiment and that price controls on perfumes in that country have been removed (p. 508) is of general interest. Chance appears to have played a leading part—or even *the* leading part—in settling the degree and duration of fashion in perfumes in civilised countries. A chemist who tomorrow filled a window with some of the kinds of perfume in vogue fifty years ago might attract the attention of passers-by, but it is questionable whether his sales of these goods would be satisfactory. Whence came the formulas for such blends as Ess. Bouquet and Jockey Club? This question has been asked concerning solutions with a much longer history, and especially some that are on the border-line between perfumes and spirituous medicaments. Collating the information on Hungarian water given in "Chronicles of Pharmacy" (I. 297) and in your issue of November 11, 1922 (p. 667), we obtain an idea of the obscurity in which the origin of an old favourite is involved. A similar difficulty exists in the case of aqua mellis, formerly an ingredient in many a lotion and dispensed from many a shop round. As is mentioned in "Pharmaceutical Formulas" (Vol. I, p. 16), a distillate of honey was recommended by Theophrastus as a hair stimulant about the year 300 B.C. George Wilson's elaborate formula for the preparation supplied by him to James II has come down to us in attenuated variants. Wilson carried on business in Watling Street and afterwards in "Well Yard, near St. Bartholomew's Hospital," London; he eventually lectured, and possibly did business, in Long Acre, further west. In one advertisement he invited anyone interested to call at his laboratory and see the preparation of any of his medicines "from the beginning to the completing of same."

Xrayser.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ON April 15, SIR JOCELYN LUCAS asked the Minister of Supply if he was aware of the long time elapsing before orders for spectacles could be fulfilled and of the great inconvenience caused thereby; to what extent this was due to scarcity of skilled workers; what quantity of optical glass was being exported; and what steps he was taking to enable repairs to be expedited.

MR. WILMOT: I know what hardship these delays cause. They are due mainly to a shortage of skilled labour which we are doing our best to remedy. Exports of optical glass do not affect the supply of lenses, the output of which is considerably greater than before the war.

Alkali Production

COLONEL CLARKE asked the President of the Board of Trade what effect the reduction in the supply of fuel to the alkali factories of Imperial Chemical Industries, Ltd., in the North-West region, had had on the export trade in alkalis and on the price to the home consumer.

MR. BELCHER (Parliamentary Secretary): Production of alkali was curtailed towards the end of January owing to insufficiency of coal supplied, and exports during February and March fell below programme by about 34,000 tons. I am informed that, from April 1, Imperial Chemical Industries, Ltd., have withdrawn certain price concessions to home consumers who purchase on contract terms, the effect being to increase the cost to such consumers by about 5 per cent.

Potash Stocks

MR. DE LA BERE asked the President of the Board of Trade the current figures of imports and stocks of potash for agricultural purposes, compared with 1944-45.

MR. BELCHER: The comparative figures, in terms of K_2O , are as follows:—

	tons
Opening stocks at July 1, 1944	14,847
Imports to March 31, 1945 ..	87,407
Opening stocks plus imports to March 31, 1945 ..	102,254
Opening stocks at July 1, 1945	3,270
Imports to March 31, 1946 ..	89,786
Opening stocks plus imports to March 31, 1946 ..	93,056

"No stocks were held at the end of March in either year, all imports at this time of the season going direct to compounders or distributors."

Output of Bottles

On April 17, MR. SHEPHERD asked the President of the Board of Trade if he was aware that production of glass bottles urgently needed at the present time, was being restricted by cuts in fuel; and what steps he would take to remedy this unfortunate state of affairs.

MR. BELCHER: I am aware that the manufacturers of glass bottles are finding difficulty in obtaining sufficient fuel to increase their production to the desired level.

As in all other industries, stocks of fuel have had to be reduced to a very low level, but my regional controllers are doing all they can, in collaboration with the regional officers of the Ministry of Fuel, to hear individual cases of special difficulty. The cuts will be restored as soon as the position allows.

Health Bill Second Reading

Before the House rose, MR. C. R. ATTLEE (Prime Minister) announced that the National Health Bill would be discussed on second reading in the House on April 19, May 1 and 2. MR. CHURCHILL hoped the Committee stage would be taken on the floor of the House, but Mr. Attlee replied that he was not in a position to give any assurance.

MR. CHURCHILL: I hope we may assume that very considerable thought will be given to this point. The Bill is not a party Bill in the ordinary sense. It divides opinion on both sides of the House and there is a very great volume of opinion.

Labour members shouted "No," but Mr. Churchill commented—"All right, hon. Members opposite are all disciplinarians and cannot say anything else. Certainly it divides opinion on this side of the House."

... Moreover, it is a measure in which we all have a great common share. Therefore, it seems particularly appropriate that the difficult points, which have arrayed behind them so much public opinion in the country, should be dealt with in Committee of the whole House and not by a Committee upstairs."

The Prime Minister promised to give full consideration to all the points Mr. Churchill had raised. "Some of them I thought rather gave weight to the suggestion that the report stage should be taken upstairs."

CLEMENT DAVIES asked if the Prime Minister would bear in mind that the Committee stage of the Act of 1911 had been taken on the floor of the House.

Retailers and Purchase Tax

When the position of retailers in regard to remissions of purchase tax from goods held in stock was raised in the House of Commons on April 17, the Chancellor of the Exchequer promised to look at the matter again, but added he was inclined to think there was no need to go further than the Treasury had already gone. The matter had been raised by SIR ARNOLD GREY, who pointed out that, with many things in short supply, people might refuse to buy goods in one area and go elsewhere where supplies were more plentiful. Mr. DALTON thought retailers were "very apt to exaggerate their own disabilities and difficulties. If the purchase tax is reduced or omitted, and a retailer has already paid tax on the stock he holds, he is under no obligation to reduce his price on that stock. The Board of Trade's price controls provide that if the tax be remitted and the control price on the non-tax-paid stock is correspondingly reduced, the price reduction, with the power of the law behind it, should operate on stocks on which tax has been paid. I can assure retailers that there is no intention of treating them harshly or unreasonably in this matter. There is no doubt that retailers gain an advantage from a general tax reduction. If not, the remedy for the retailers' grievance is new to reduce the tax, and if that is interpreted to them as an alternative, they do not jump at it. They gain much more on the swings than they can lose on the rounds over a period of time. When a tax is reduced or remitted, trade increases and demand expands."

Mr. DALTON hinted that there might be introduced further small purchase tax concessions in the Committee stage of the Finance Bill.

British Dyes

In a written reply to Mr. TETTERINGTON on April 18, the Parliamentary Secretary to the Board of Trade (MR. BELCHER) said it is estimated that 13 per cent. of dye-stuffs used in the United Kingdom before the war were imported, about 9 per cent. coming from Germany. At present over 95 per cent. of U.K. usage was of home production. He did not think it necessary for the Board of Trade to publicise British dye-stuffs.

Duty on Medicine Bottles

MR. CHALLEN asked the Chancellor of the Exchequer on April 18 whether he was aware that, in order to facilitate the export of proprietary medicines and drugs, arrangements had been made to issue licences to import bottles from certain European countries on condition that they were reserved for export, and whether arrangements could be made to refund the 25 per cent. duty on such bottles when re-exported filled.

MR. DALTON: The duty on imported bottles is small in relation to the value of the contents and I see no sufficient reason to waive the duty.

LEGAL REPORTS

Committed for Trial.—Summoned by the Board of Trade for supplying, between July 1944 and August 1945, controlled toilet preparations greatly in excess of the permitted value, Rita Stuart Leroy, trading as R. M. Stuart-Leroy, toilet preparation manufacturers, Pollen Street, London, W.1, was committed for trial at the Central Criminal Court from the Marlborough Street police court on April 16. For aiding and abetting, George Ernest Hector Leroy was also committed for trial. Both defendants, who were represented by counsel, pleaded not guilty, and each was allowed bail in £500.

Purchase Tax Returns Not Made.—Stated to be a wholesale dealer in cosmetics, Cyril Victor Lee, trading as Adele Boyer, 25 Devonshire Street, London, W.1, was, at Clerkenwell on April 16, fined £100 for failing to furnish a purchase tax return within the specified time and a further £100 for failing to pay the tax due at the proper time; he was ordered to pay £21 costs. For the Customs and Excise authorities it was alleged that a return for the three months ended September 30, 1945, and a subsequent return for the period up to November 30, were not made until January 26, 1946. The tax due, amounting to about £7,000 and £2,000 respectively for the two periods, was not paid at the time, although it had been paid in instalments later. Defendant took the view that, as he allowed his customers credit, he was unable to pay the tax until they paid him. This was a view the Commissioners could not accept. The magistrate, in imposing the fines, said it was necessary for the defendant to finance his business in such a way as to discharge his obligations to the authorities.

MARRIAGE

HAYNES-KIRKBRIDE.—At Darlington, recently, Thomas Edward Haynes, M.P.S., 4 Monkend Terrace, Croft, co. Durham, to Dorothy Kirkbride, Darlington.

DEATHS

BEACHELL.—On April 8 Mr. John Beachell, Ph.C., 44 Carisbrooke Drive, Nottingham, aged seventy-four. Mr. Beachell qualified as a chemist and druggist in 1894 and passed the Pharmaceutical Chemist examination in 1896.

BURNETT.—On March 25, Miss Mary Anne Burnett, M.P.S., 816 Bristol Road, Selly Oak, Birmingham, 29, aged forty-two.

CLARKE.—Recently, Mr. John Clarke, M.P.S., 60 Pilch Lane, Liverpool, 14. Mr. Clarke qualified in 1891.

COOPER.—First reported missing from a flight over Northern Italy on February 21, 1945, and now presumed killed, Flight-Sergeant Navigator Peter Shaw Cooper, M.P.S., formerly of 44 Holyrood Place, Dunfermline, Fife. Mr. Cooper qualified in 1936.

EDWARDS.—At St. David's Wing, Royal Northern Hospital, London, on April 12, Mrs. Margaret Alice Edwards, wife of Mr. A. W. Edwards (British Schering, Ltd.), Casterbridge, The Avenue, Hatch End.

FORSTER.—On April 17, Mr. William Forster, Ph.C., Church Street, Seaham, aged seventy-one. He had been in business in the district for more than forty years and had shops at Seaham and Dawdon. Mr. Forster served his apprenticeship with John Ritson & Son, formerly in business in High Street, Sunderland. He was a member of the Executive of the National Pharmaceutical Union for more than twenty years. When he retired from the position about twelve months ago he was presented with a testimonial from the members. He was chairman of Durham County Branch of the National Pharmaceutical Union and had been chairman of the Sunderland Branch of the Pharmaceutical Society on several occasions. He was also a member of the North Durham Insurance Committee. He leaves two sons and a daughter.

HARKNESS.—On April 6, Mr. James Baird Harkness, 36 Alder Road, West Derby, Liverpool, aged seventy-nine. Mr. Harkness qualified as a chemist and druggist in 1894.

JONES.—On April 10, Mr. Thomas Jones, M.P.S., 540 Holderness Road, Hull, aged seventy-one.

KAY.—At his home, Oakleigh, Bancroft, recently, Mr. Harvey George Kay, M.P.S., for many years a director of Davids & Kay, Ltd., Aberdeen, aged eighty. Kay served his apprenticeship in the pharmacy of William Martindale and became a director of Davidson & Kay, Ltd. at the time of its incorporation. His father, Mr. James Petrie Kay, provided the capital with the earliest recorded proprietor of the business, which, according to tradition, was originated by a medical practitioner in the early nineteenth century.

KEEBLE.—On April 9, Mr. James Percival Edmed Keeble, M.P.S., 29 Market Lane, Halesworth, Suffolk, aged eighty.

LITCHFIELD.—In February, following a long illness, Mr. Ernest Litchfield, M.P.S., Bolehill, Mytchett, Aldershot, Hants. Mr. Litchfield qualified in 1891.

PRICE.—At Dornie, Knott Park, Oxshott, Surrey, on April 13, Mr. Arthur Price, M.P.S., aged sixty-six. A native of Pembrokeshire, Mr. Price had been in business at 62 High Street, Esher for twenty-one years. He leaves a widow and a son and a daughter.

ROBINSON.—On April 17, after an operation, Mr. Alfred Isaac Robinson, 11 Ivy Cottage, Farnham, Bishops Cleeve, Herts. Mr. Robinson joined the staff of Stafford Allen & Sons, Ltd., London in 1920 and was in charge of the manufacture of many of the company's pharmaceutical preparations. He was an examiner for the Pharmaceutical Society and a member of the Codex Revision Committee.

WOODCOCK.—On March 21, Mr. Leslie Woodcock, M.P.S., 602 Liverpool Road, Irlam, Lancs, aged fifty-five.

WILLS

SERGEANT CYRIL JOHN SUNDERLAND, R.A.M.C., M.P.S., 76 Oaklands Road, Hanwell, W.7, left £523.

LIEUTENANT RAYMOND COURTYN BARKER, R.A.M.C., M.P.S., 125 Old Church Road, Bournemouth, left £1,100.

MR. JAMES SHERMAN SAUNDERS, 188 Kewville Road, Southend-on-Sea, Essex, formerly secretary of Potter & Clarke, Artillery Lane, London, E., left £6,875, net personalty £4,846.

MR. HAROLD MILLER, M.P.S., The Elms, Cleeve Hill, Gloucester, founder, chairman and managing director of United Chemical Association, Ltd., left £14,443, with personalty £14,306.

BUSINESS CHANGES

MEMO-PLASTICS, LTD., have removed to 50 Old Bailey, London, E.C.4. (Telephone: City 1058-59.)

R. C. COLEMAN, M.P.S., has returned to the home sales department of Potter & Co., Ltd., London, E.I.

THOMAS MARNS, LTD., have removed to 2 Maxton Street, Westminster, London, S.W.1. (Telephone: Whitehall 6310.)

PAG (LONDON) LTD., 10 Lloyds Avenue, London, E.C.3, announce that their telephone number is Royal 5964-66.

PROFESSOR W. N. HAWORTH has been appointed chairman of the Chemistry Research Board, Department of Scientific Industrial Research.

E. L. MYERS, B.Sc., Ph.C., has joined Potter & Clarke, Ltd., London, E.I., and taken over the production and records of Dangerous Drugs.

SQUADRON LEADER I. H. EDWARDS, D.C., B.A., has joined the directorate of Johnson Agencies (Export), Ltd., Clarendon Road, Croydon, Surrey.

ARTHUR T. WALL has commenced duties as works manager of Ashley & Weeks, 165 and 245 Mitcham Road, London, S.W.17, after returning from H.M. Forces.

THE CROOKES LABORATORIES, LTD., 100 Road, Park Royal, London, N.W.10, have been adopted as the new name of the company formerly known as British Colloids, Ltd.

A. SPARROW & Co., LTD., London and Liverpool, state that 65 London Wall, London, E.C.2, is the address to which all communications in the London area should be sent.

G. P. TAYLOR, M.P.S.N.I., 32-34 Richmond Chambers, 64 Great Victoria Street, Belfast, has been appointed Northern Ireland representative for A. L. Simpkin & Co., Ltd., Sheffield.

JOHN MACFARLANE, for the trustees of the late Mr. David Auchinvole, M.P.S., Larass, Bute, has been granted transfer of licence for the sale of medicated wines.

WATFORD CO-OPERATIVE SOCIETY, LTD., in association with National Co-operative Chemicals, Ltd., has taken over the business of H. E. Purchase, M.P.S., 17 Kenton Parade, Kenton, Middlesex.

BRITISH SCHERING, LTD., are opening new premises at 167-69 Great Portland Street, London, W.1, on May 7. Their premises at 185-90 High Holborn, London,

W.C.1, will close on May 2, and urgent supplies during the interim period can be obtained from Bell & Croyden, or William Martindale, both of Wigmore Street, London, W.1.

PERSONALITIES

SIR CLIVE BAILLIEU has been elected to a third term of office as president of the Federation of British Industries.

COUNCILLOR S. TAYLOR, J.P., C.C. (Thos. Tomlinson & Son, chemists' valuers, 33 Blackfriars Street, Manchester, 3), has been re-elected for a third year of office as chairman of the Marple urban district council.

MR. MAURICE J. LEE, M.P.S., Modbury, Devon, has been presented by the Modbury parish council with a Bible and fountain pen to mark members' appreciation of his services throughout the war years as acting clerk.

COMPANY NEWS

D. F. PENN, LTD. (P.C.).—Capital £500. Dealers in essences, lotions, extracts, cosmetics, etc. Stanley T. Bradbeer and Edward E. Massie, directors. R.O.: Alum Works, Alexandra Road, Hounslow.

RICHARD CLITHEROW, LTD. (P.C.).—Capital £6,000. Chemists, druggists, etc. Gladys F. Clitherow and Sidney Crook, directors. R.O.: 2a Wordsworth Street, Liverpool.

THOMAS IRONS, LTD. (P.C.).—Capital £4,000. Chemists and druggists, etc. Thomas Irons, M.P.S., Mary E. Irons, and Alfred C. Rainbird, directors. R.O.: 37 River Street, Truro.

TOBY (CHEMICALS), LTD. (P.C.).—Capital £5,000. Manufacturers of and dealers in chemicals, drugs, etc. R. H. Toby and J. Bellwood, directors. R.O.: Trevelyan Chambers, Boar Lane, Leeds.

BAY-FORD REQUISITES, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in nail files, emery boards, manicure sets, toilet requisites, etc. Directors to be appointed. R.O.: 7 Great Castle Street, London, W.1.

J. H. HAYWOOD, LTD., Nottingham.—Mr. A. E. Gill, departmental manager, has retired after fifty-five years' service. Mr. Gill is succeeded by Mr. Fred W. Cammack, who becomes general manager after twenty-eight years as representative. The Board is as follows: W. Rowden, A. E. Gill, F. W. Cammack, and E. Rowden.

TRADE NOTES

Emulsifiers.—Advita, Ltd., 2 Kingscote Street, London, E.C.4, offer limited quantities of Admul refined glyceryl monostearate emulsifiers for oil-in-water or water-in-oil emulsions.

Radiant Heat at Home.—Pifco, Ltd., Pifco House, London, E.C.1, are marketing infra-red and radiant heat lamps, and invite chemists to write for particulars and "generous" trade terms.

Warning Against Overcharge.—Aspro, Ltd., Slough, Bucks, point out that the protected price for two tapes of Aspro is 6½d., and not twice the price of a single tape (7d.).

Sulphaguanidine.—Burroughs Wellcome & Co. (the Wellcome Foundation, Ltd.), London, offer sulphaguanidine B.W. & Co. as Tabloid sulphaguanidine, 0.5 gm., and Wellcome brand sulphaguanidine powder.

Soapless Concentrate.—Described as "the new pine-fragrant substitute for soap," Carlton soapless substitute is available from Carlton Laboratories, Ltd., 1 Joiner's Arms Yard, Denmark Hill, London, S. E.5.

Calcium Replacement.—Calfos natural mineral tablets for the treatment of calcium and phosphates deficiency are available in boxes of 50 and 120 from Calfos, Ltd., Imperial House, Kingsway, London, W.C.2.

New-type Insecticide.—Promedico Products, London, N.4, direct attention to a new speciality, No-escape insect-powder 666, containing Gammexane, which kills insects by touch and is harmless to animals.

Sheffield-made Blade.—Gleaner brand double-edged safety razor blades are offered by John Watts (Sheffield & London), Ltd., Lambert Works, Sheffield, 3, who claim to be the pioneers of British safety-razor blades.

Van Horse Prize.—One of the horses of Sangers, Ltd., 258 Euston Road, London, N.W.1, took a prize in the van horse Parade held in Regents Park, London, on Easter Monday.

Lipsticks in Plastic Cases.—Coty (England), Ltd., 3 Stratford Place, London, W.1, have introduced Coty lipsticks in new plastic cases, and Coty complexion rouge is again being packed in its pre-war plastic container.

Lipstick Cases.—C.F.B. Carton Co., Ltd., 58 High Street, Tooting, London, S.W.17, invite manufacturers to send 2s.6d. (inclusive of postage) for a specimen metal lip-

stick case, attractively finished in colours which is available from company.

Honey Supplies.—Kimpton Bros., 1110, Fenchurch Street, London, E.C.3, remind users that they are direct importers of honey, of which they have been supplying to manufacturing chemists for over 50 years.

Floor Polish.—Stated to be in increasing demand throughout Britain, Treece's beeswax polish, manufactured by Treece Polish Co., Ltd., Nottingham, has a cleaning and preserving and polishing action on wood floors, linoleum, and furniture.

English Almond Oil.—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, are again manufacturing English almond oil after a break of six years. Fair stock of raw materials are available, and the makers invite inquiries.

Containers Still Scarce.—A reminder that the recovery of containers is still an urgent problem is given to chemists by Container Recovery Service (S.P.D., Ltd.), Unilever House, Blackfriars, London, E.C.4, who also issue hints on how the cases should be returned to them.

Production Increasing.—The British Felsol Co., Ltd., Wigton House, St. John Street, London, E.C.1, announce that, while they cannot at present fully meet all demands for Felsol, production is increasing each week and delays in delivery are being gradually overcome.

Revised Retail Prices.—Details of revised retail prices for Harlene Headline and other Harlene specialities, which come into operation on May 1, are given in an announcement by the manufacturers, Harlene, Ltd., 58, Gough Street, London, W.C.1, elsewhere in this issue.

In Unlimited Supply.—The delivery of Pulmo-Bailey and Passiorin is stated by the makers, Bengue & Co., Mount Pleasant, Alperton, Wembley, to be easier and improving. The manufacturers hope to overtake recent delays supplying these specialities.

Now Obtainable in Tins.—Hough, Houghton & Co., Ltd., 11 Union Street, Manchester 19, announce that Neville's effervescent double-strength health salt is again available in substantial quantities in attractive tins. A Press advertising campaign is being continued throughout the country.

omach Tonic.—Described as a tonic for the stomach, Stenhope is a new preparation added to the range of products made by Brontan, Ltd., 1, Broad Street Buildings, Liverpool Street, London, E.C.2. Samples are available and a Press advertisement campaign is being conducted by the manufacturers.

DT Preparations.—Potter's Haddit household insecticide spray, a combination of DDT-Geigy with pyrethrum in paraffin oils, and Potter's Haddit household insecticide dusting powder, have been issued by Potter & Clarke, Ltd., London and Manchester.

Improved Coal Tar.—The makers of Wright's coal-tar soap (Wright, Layman & Co., Ltd., London, S.E.1) state that, as a result of continuous laboratory research and improved methods of manufacture, the powers of liquor carbonis detergens which is the basis of the soap, are more effective than ever before.

More than Just Aspirin.—Splendor, London and Nottingham, claim outstanding therapeutic merit for their preparation, Propax, which is described as "some more than just aspirin." The formula contains salicylic acid, acetylsalicylic acid, gr. 3.5, acetaminophen, gr. 2, and phenolphthalein, gr. 0.1. Propax is available in four sizes and prompt delivery is promised to chemists by the makers.

Antibacterial Agent.—Under the name Phenoxetol, Nipa Laboratories, Ltd., are selling through their sole distributors, P. Muellon & Co., 44 Leadenhall Street, London, E.C.3— β -phenoxyethyl alcohol, a colourless viscous liquid with a pleasant odour, specially purified and standardised for use in pharmaceutical preparations. Phenoxetol is supplied in 100, 250, 500, 1000 and 2000 c.c.

Sulphamerazine Tablets.—Parke, Davis & Co., 25, Abchurch Lane, London, W.C.1, announce the introduction of Sulphamerazine tablets, P.D.C. Co., 0.5-gm. Sulphamerazine is a methyl derivative of sulphadiazine and is effective in approximately half the dosage of sulphathiazole or sulphadiazine. The new preparation is available in bottles of 100 or 1,000 tablets. Micapon (C.T.810), the latest addition to the range of the company, consists of potassium chloride and calcium lactate, in such proportions that the potassium and calcium are in the same ratio as that found in the blood-stream. Micapon tablets are

supplied in bottles of 100 and 1,000 and are prescribed in the treatment of migraine headache.

Proprietary Articles Trade Association

Additions to Protected List.—C. R. Harker, Slagg & Morgan, Ltd., Nyal Figsen, 8s. 6d. doz., tax 1s. 5d. doz., inclusive retail price 1s. 6d.

International Chemical Co., Ltd., Freezone corn rings, 2s. 7d. doz. packs, tax 10½d. doz., i.r.p. 4½d.

Alterations.—Cooper, McDougall & Robertson, Ltd., Cooper's household fly-spray, 3s. 6d., 28s. doz. (exempt from tax).

E.N.T. Manufacturing Co., Ltd., E.N.T. nerve capsules, 10's, 6s. doz., tax 1s. doz., i.r.p. 10d. (replaces pack of six capsules formerly retailing at 7d., including purchase tax).

Herts Pharmaceuticals, Ltd., Bonus of 25 per cent. in goods, formerly allowed to retailers on £1 orders, withdrawn.

Glaxo Laboratories, Ltd., Reduced prices (from April 15): Pelonin tablets, 25's, 1s. 3d., 10s. doz.; 100's, 3s. 6d., 28s. doz.; 1,000's, 30s., 20s. each. Pelonin amide tablets, 25's, 2s. 3d., 18s. doz.; 100's, 6s. 9d., 54s. doz.; 1,000's, 60s., 40s. each (exempt from tax). Pelonin ampoules, six 2-c.c., 24s. doz., tax 4s. doz., i.r.p. 3s. 4d.; twelve 2-c.c., 40s. doz., tax 6s. 8d. doz., i.r.p. 5s. 6½d.; 100 2-c.c., 24s. each, tax 4s. each, i.r.p. 40s. Pelonin amide ampoules, six 2-c.c., 28s. doz., tax 4s. 8d. doz., i.r.p. 3s. 10½d.; twelve 2-c.c., 52s. doz., tax 8s. 8d. doz., i.r.p. 7s. 2½d.; 100 2-c.c., 28s. each, tax 4s. 8d. each, i.r.p. 46s. 8d.

COMING EVENTS

Tuesday, April 30

MANCHESTER PHARMACEUTICAL ASSOCIATION, Council Chambers, Houldsworth Hall, Deansgate, Manchester, at 7.45 p.m. Annual meeting.

SOUTH-EASTERN ASSOCIATIONS, New Cross Inn, 323 New Cross Road, London, S.E.14, at 7.30 p.m. Mr. C. Beaven on "The Riddle of Allergy."

Thursday, May 2

MANCHESTER SECTION, CHEMICAL SOCIETY, University, Manchester, at 6 p.m. Professor J. M. Gulland, F.R.S., on "Recent Developments in Polynucleotide Chemistry."

Friday, May 3

SHEFFIELD SECTION, CHEMICAL SOCIETY, University, Sheffield, at 5.30 p.m. Professor R. A. Merton on "Vitamin A."

SOUTHAMPTON SECTION, CHEMICAL SOCIETY, University College, Southampton, at 5 p.m. Sir Ian Heilbron on "The Chemistry of Penicillin."

Sunday, May 5

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to Chinley and Kettlethulme. Meet at Central station, 8.45 a.m. Book Chinley return.

PHENOL INSTEAD OF "PHENOL MIXTURE"

THE death of a labourer who was said to have drunk some phenol thinking it was "phenol mixture" was recalled at Old Street, London, magistrates' court on April 9, when Leslie Fuller Murrison, M.P.S., 117 Mile End Road, Stepney, answered three summonses brought at the instance of the Pharmaceutical Society of Great Britain. He was alleged to have sold by retail a poison (phenol liquefactum) in a container not labelled with the word "poison" or other prescribed indication of character, in a container not labelled with the name of the seller of the poison and the address of the premises and in a glass bottle, the outer surface of which was not fluted vertically with ribs or grooves, recognisable by touch. Pleas of not guilty were entered. Following an objection by the clerk of the court, the magistrate suggested that the first two summonses should be merged into one. This was done.

The prosecution stated that defendant carried on business as a qualified chemist under a trade name at 119 Mile End Road, Stepney. On January 18 of this year he was visited by a man who wanted to purchase a mixture for his cold. The man was accompanied by a second man who waited outside. The purchaser went into the shop and handed over a bottle, asking for a "phenol mixture." He was subsequently handed back a bottle containing a liquid, and he and the other man went away. The court would be told that the bottle was handed back to them in exactly the same condition as it was handed over to the chemist. The bottle, it was alleged, was not labelled with the word "poison" and it was not a fluted bottle. The two men returned to the place at which they were working, and there the first man, the man who had made the purchase, drank some of the liquid, and found it burnt his mouth. He then handed it to another man in the working party and this man also found that the liquid burnt his mouth. Both men were taken to hospital, suffering with carbolic acid poisoning. One of them died.

In Witness Box

Giving evidence on his own behalf, defendant stated that he qualified in 1933, and had practised, first as an assistant, and later as the owner of a chemist's shop, at 117 Mile End Road. Except for a fine of £2 under the Food and Drugs Act, he had an absolutely clean record. About

noon on January 18, he went on, and came into his shop and asked for a bottle of phenol. The customer produced a bottle. "I demurred, in view of the fact that he wanted such a quantity, and I was not supplying the amount. . . . After I had filled the bottle I wrote the label in it." He wrote, he said, the words "phenol, poison," stuck it on top of the bottle and endeavoured to hide the words "phenol Mixture." "I handed it to the customer, remarking that it was poison."

Labelling Statement

"Have you any doubt about your writing a label and sticking it on the bottle?" — "No doubt whatsoever."

"Had you ever heard of phenol mixture before this?" — "No, sir."

Later in the day a police inspector came to his premises and asked him if he would care to make a statement. "I did not observe when he showed me the bottle that my label was no longer affixed."

"Do you agree with me that a chemist who was not asked for phenol and put phenol in a bottle not labelled with the word 'poison' would, as a chemist, be doing a serious thing?" — "That is so."

Asked why he did not scrape the existing label off, defendant replied: "In the state the bottle seemed to be in an unsafe condition, and I was pressed for time. It also appeared to me that the customer was fully aware of the qualities of phenol by virtue of the fact that he had asked for phenol and also correctly spelled it on the label."

A submission that the summonses should fail, on the ground that no sale had actually taken place, was rejected by the magistrate.

The magistrate went on that defendant had sworn that he wrote a label out. (The magistrate) was virtually bound to give defendant the benefit of the doubt. "I think there was abundant cause to prosecute, but I must dismiss the case on the doubt," he added.

The plea on the remaining summons was changed to "guilty."

The magistrate then remarked that he was trying a labelling offence, not the cause of a man's death. Apart from the regrettable fact that the man had died there was the thought that so much death by poison could be wandering about the court or anywhere else. Defendant was fined £5 on the third summons and ordered to pay £16 11s. costs.

HOSPITAL PHARMACISTS' SALARIES

The Joint Negotiating Committee (Hospital Pharmacists) on which the Guild of Public Pharmacists is represented, has issued in the form of a twelve-page memorandum its recommendations for salaries and conditions of service for almoners, pharmacists, physiotherapists, psychiatric social workers, radiographers. The recommended hours and rates for pharmacists are :—

Hours of work—average for a normal working week thirty-nine, excluding meals.

CHIEF PHARMACIST.—Officers appointed to this grade should have had not less than three years' hospital experience after qualifying as pharmacists.

Number of assistants engaged in dispensing or technical duties	Salary	Annual increments
One ..	£435	Five of £20 to £535
Two ..	£470	Five of £20 to £570
Three ..	£500	Five of £20 to £600
Four ..	£525	Five of £20 to £625
Five ..	£550	Five of £20 to £650
More than five ..	At the discretion of employing authority.	•

PHARMACIST IN CHARGE—SINGLE GRADE.—Officers appointed to this grade should have had not less than three years' hospital experience after qualifying as pharmacists. A commencing range of salary of £400 to £425 p.a. rising by five annual increments of £15 to a maximum of £445 p.a., the employing authority to have discretion as to the point on the commencing scale at which appointment would be made.

DEPUTY CHIEF PHARMACIST.—Officers appointed to this grade should have had not less than three years' hospital experience after qualifying as pharmacists and the total staff engaged in dispensing or technical duties should be five or more. £437 p.a. rising by five annual increments of £15 to £475, plus one additional increment of £15, if specially recommended, to a maximum of £490.

FIRST OR SENIOR ASSISTANT.—Officers appointed to this post should have had not less than three years' hospital experience after qualifying as pharmacists. Appointment to this grade should be made in hospitals where the total staff engaged in dispensing or technical duties is not less than three, in which no deputy chief pharmacist is employed or, in larger hospitals,

when the pharmacist concerned is in charge of a special section, e.g., galenical manufacturing laboratory of the pharmaceutical department. £365 p.a., rising by five annual increments of £15 to a maximum of £440.

ASSISTANT PHARMACIST.—£320 p.a., rising by four annual increments of £15 and a fifth increment of £20 to a maximum of £400.

PART-TIME STAFF.—(i) Where there is no other pharmacist the rate of remuneration should be 7s. 6d. per hour; (ii) where acting as assistant the rate of remuneration should be 5s. per hour.

"ON-CALL" DUTY.—It is recommended that arrangements for "on call" duty be left to local agreement but, where such duty is frequent, means should be taken to provide for time off in compensation.

ASSISTANTS IN DISPENSING.—Salaries recommended apply to assistants in dispensing who hold the certificate of the Society of Apothecaries of London.—£220 p.a., rising by five annual increments of £10 to £270, followed by long service increments of £10 per annum every four years to a maximum of £300.

PART-TIME STAFF.—For less than twelve hours per week the rate of remuneration should be 3s. 6d. per hour, but where more than twelve hours per week are worked the salary should be proportionate to the salary for a full-time appointment plus 10 per cent.

INSURANCE ACT DISPENSING

Essex.—The average cost of National Health Insurance prescriptions in Essex increased by 44 per cent. during the war years, according to figures issued recently by the Essex County Pharmaceutical Committee. Statistics for the years 1939, 1944; and 1945 are as follows :—

	1939	1944	1945
Number of prescriptions ..	2,219,760	2,316,089	2,312,846
Number of persons for whom doctors prescribed	496,045	499,770	511,843
Total cost ..	£84,510	£120,849	£127,357
Average cost per prescription	9.2d.	12.5d.	13.27d.
Average cost per person	40.9d.	57.7d.	60.07d.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union was held in London on April 16 and 17, Mr. E. A. Brocklehurst in the chair. THE CHAIRMAN asked the past-chairman (Mr. T. Heseltine) to accept the past-chairman's badge (a replica of the badge attached to the chairman's chain of office) in recognition of his year of office (1943-44); MR. HESELTINE suitably replied.

Election of Officers

The meeting proceeded to the election of officers for the twenty-sixth year of office. Proposed by THE CHAIRMAN, Mr. H. Steinman was unanimously elected *Chairman* for the year. MR. S. J. STEARN, in seconding the nomination, said Mr. Steinman was held in high regard for his honesty of purpose and plain speaking. MR. STEINMAN, acknowledging, said he deeply appreciated the honour extended to him, which would likewise be appreciated by the Manchester Branch; he would endeavour to uphold the dignity of his office and the prestige of the Union. MR. G. H. M. Graham was voted *Vice-chairman* and Mr. A. R. Melhuish was unanimously re-elected *Treasurer*. The newly-elected chairman made a suitable reference to the services of the past-chairman, and it was resolved to put on record the indebtedness of the Union to Mr. Brocklehurst. It was also decided to make a record of the services rendered by three founder-members still serving on the Executive (Messrs. J. E. French, J. Hague and A. R. Melhuish).

Reports of meetings of the Accounts, Central N.H.I., Conference of Pharmaceutical Committees, Conferences of Representatives of Pharmaceutical Society Branches, N.P.U. Branches, and Pharmaceutical Committees, and Price List Committees were received and approved.

THE SECRETARY reminded those present that April 14 was the twenty-fifth birthday of the Union. He had been pleasantly reminded of this fact by finding a beautiful bouquet of carnations and roses on his desk—a gift from the staff.

Since the previous meeting, further information had been sought from the Directorate of Medical Supplies concerning supplies of cotton wool, but no further information was available as a result. Members were still experiencing an acute shortage of liquid paraffin, and it was decided to continue to make suitable representations to the Directorate with a view to obtaining increased allocations.

Purchase Tax

Notification had been received, secretary, of the removal of tax from ing bottles, food-measures, and m spoons. The tax on photographic has been reduced from 100 per c 33½ per cent., and the tax on vacuum has been reduced to 16½ per cent., op from April 10. Representations m the Customs and Excise to secure t removal of tax from certain other nursi sick-room requisites had not met success. The tax position of drug medicines was again discussed, and decided to collaborate with other trade organisations in a combined to secure exemptions.

Information had been received th Board of Trade was desirous of obt statistics from chemists concerning sales and stock values. Some ch had already been approached direct the co-operation of the Union wa solicited. It was decided to revie matter at the next meeting.

Linoleum and Overalls

THE SECRETARY reported that the of Trade had declined to issue p dockets to retail chemists for replac of linoleum in dispensaries, the re given being shortage of supplies and de for priority dockets from househo Representations had again been ma the Board of Trade concerning supplary coupons for chemists' overalls, a was hoped to have a further report u able in time for the next meeting.

The secretary's report was received adopted.

Victory Celebrations

Members were reminded that, a March meeting, it had been decide advise chemists, through local b secretaries and secretaries of Pharm tical Committees, to provide an emer service on Victory celebration Satu (June 8).

Information had been received th Ministry of Food had decided to con the arrangements for the supply of t currant purée and syrup during the 19 period distribution.

Silver Jubilee Arrangements

THE CHAIRMAN of the Silver Ju Committee reported that arrangem had been completed to hold a S

the celebration dinner at the Dorchester Hotel, London, on May 29. Representatives from government departments and various trade organisations would have been invited but, unfortunately, owing to the small number of seats available, the number of guests had to be strictly limited. It was also hoped to make a suitable presentation to the secretary (Mr. G. A. Brown) who had served the Union since its inception. The report was adopted.

Sickness and Provident Association

The Executive of the Chemists' Sickness and Provident Society met on April 16 and received the secretary's report. Six members had been enrolled, but there had been two terminations in the men's section and three in the women's sections. The

treasurer's report was received and adopted. It was arranged to hold the annual meeting at the same period as the May meetings of the N.P.U. Executive.

Chemists' Defence Association

At a meeting of directors of the Chemists' Defence Association, on April 17, Mr. H. Steinman was elected *Chairman*. Three claims were met on behalf of members, one including a settlement for £77 7s., another being for damage to food and household goods caused by the bursting of a bottle of ammonia, and the third involving the ruin of a customer's dress from the use of a concentrated perfume. Two claims in connexion with prosecutions under the Goods and Services Acts, for alleged overcharges, were considered.

A COMPANY PHARMACIST'S VIEWS

At a meeting of the Newcastle District Northumberland Branch, Pharmaceutical Society, held on April 4, Mr. D. E. Sparrshott gave an address entitled "Compounding Pharmacy: the Past, Present and Future."

On current pharmaceutical topics Mr. Sparrshott stated his belief that the abolition of the medicine-stamp duty by the 1941 Act would adversely affect pharmacists' supplies became free again. He was in general agreement with the code of ethics but thought that the clause dealing with advertisement of dispensing would be altered when retail pharmacies had to compete with Health Centre dispensing. He also thought that the Council of the Society was not the best body to decide where "undesirable substances."

said that in some branches he had found that employees were discouraged from entering into branch activities: he congratulated Newcastle for acting on the reverse principle.

For the future he thought the prospects were hopeful. The great increase in the number of insurance prescriptions would offset the competition of the health centres which would not, in any case, be universal for at least ten years. He sounded a warning that if the Co-operatives attempted to give dividend on N.H.I. scripts strenuous opposition would have to be made.

In answer to a question from Mr. HUDSPITH, Mr. SPARRSHOTT said that the companies could not support standardised private dispensing fees because of lack of control over private pharmacists.

In reply to Mr. FAWCETT he considered the cost of running the Society's school to be very expensive "window dressing" and out of all proportion to its value to members.

A vote of thanks to the speaker was moved by Mr. T. H. FLEMMING and seconded by Mr. T. SISTERSON. Mr. Walkins was in the chair, and there was an attendance of more than a hundred members at the meeting.

National Health Service

He regarded the formation of a new organising committee to deal with the National Health Service as unnecessary; the present Central National Health Insurance Committee was the most suitable body to deal with the matter. They had had two increases in remuneration since the war, and were known and respected by the Ministry of Health. The Company Chemists' Association and the N.P.U. were able to work in harmony. He thought that the present Minister of Health was greatly influenced in his desire for health centres by his upbringing in Tredegar, where health centres had been in operation for years. He thought that employees be represented on the Council and

Virtuoso.—Lord Beaverbrook in early life was a chemist's assistant. He still delights to call for a bottle and to demonstrate to the astonished guests how he can hold it round the waist and at the same time with the same hand pluck the cork from its neck.—From "Ideas Have Legs."

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Official organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Great Britain and of other Chemists' Societies in the Empire

NO. CXLV APRIL 27, 1946 NO. 3455

Another Rise in Exports

The rising trend of British export business was continued during March when the value reached the new high level of £67 millions, or £7 millions over the total for the previous shorter month. Compared with the corresponding month of last year, the value is nearly three times as great. When contrasting these figures with pre-war results, however, due allowance must be made for the enhanced prices of goods of all categories ruling at the present time.

Record Exports of Chemicals

In the summary tables published in the latest Trade and Navigation Accounts (Stationery Office, 4s. 6d.), exports of the chemicals group are valued at £5.8 millions, a record figure for the group. Compared with the three other groups, iron and steel, machinery and vehicles, show larger increases over the corresponding month of the previous year. Exports of the chemicals group for the first quarter of 1946 were valued at £15.9 millions, compared with £11.3 millions in the same period of 1945.

Drugs and Medicines

March exports of drugs and medicines were valued at £1,012,883, compared with the 1938 monthly average of £273,418; the March figure shows an increase of £739,555 over that of the corresponding month of 1945. Exports of druggists' medicines, not elsewhere specified in the accounts, during the month under review,

were valued at £90,526, compared with the 1938 monthly average of £47,478.

Toilet Preparations

Considerable interest attaches to the export position of the toilet preparations industry because the size of the home quotas is to depend on the results achieved in overseas markets. During March this industry exported goods to the value of £288,694, compared with the 1938 monthly average of £96,497. Export figures for the first quarter of 1946 total £798,361 which appears to indicate that the industry will have no difficulty in reaching its export target of £2 millions by the end of the year. Details of the export figures for March by countries are: British West Africa, £19,945; South Africa, £36,540; British India, £38,108; other British countries, £113,367; foreign countries, £80,734.

The Import Side

Imports rose from £79 millions in February to £103 millions in March, mainly because of increased imports of food, drink and tobacco. The net effect, after making allowance for re-exports, was that the visible adverse balance rose from £15.7 millions in February to £32.3 millions in March. The adverse balance for the quarter, however, was less than half the figure for the corresponding period of 1945.

Purchase Tax Policy

THE Chancellor of the Exchequer's promise of further purchase tax concessions, given on April 17 during the report stage of the Budget resolutions, will give little satisfaction to those who regard the continuance of this wartime measure with disfavour. Mr. Dalton said he was prepared, and indeed, anxious to collect from various parts of the House, members' suggestions as to what were the most urgent claims, either for abolition of the tax, or a reduction of the rates. No doubt the Chancellor has been made fully aware of the need for the abolition of purchase tax on medicines, although the subject was not mentioned during the debate. The scope of Mr. Dalton's ability to ease the burden of purchase tax in the immediate future is, however, curtailed by his own condition

that such relief "must be strictly limited." In other words it seems that, while agreeable to grant small and relatively unimportant concessions at the Committee stage of the Finance Bill, he will be unable to view with favour suggestions of comprehensive cuts, such as would be necessary to abolish tax on large groups of products.

No Rebate for Retailers

With regard to the problem of providing a rebate on tax that has already been paid on goods in stock at the time of remission or reduction of the tax, Mr. Dalton appears to be completely out of sympathy with the retailers' point of view. It is difficult for the retailer to appreciate the justice of the official case that if he has already paid tax on the stock he holds he is under no obligation to reduce his price on that stock when purchase tax is reduced or remitted. This contention completely ignores the reaction of the customer who is not at all willing to pay purchase tax in order to help the retailer out of a difficulty and who will go to considerable lengths to obtain the article cheaper elsewhere. It is useless to assure retailers that "there is no intention of treating them harshly or unreasonably in this matter" when that is precisely what the Chancellor is doing by his refusal to acknowledge the hardship involved in the "forced" sale of tax-paid goods at tax-free prices. Mr. Dalton's statement that retailers "gain much more on the swings than they lose on the roundabouts over a period of time" takes no account of the fact that for years retailers have acted as unpaid tax collectors for the Government. Moreover, a substantial proportion of the retailers' capital, represented by tax paid on unsold goods, is regularly tied up in the form of an interest-free loan to the State. Mr. Dalton, it is suggested, should keep these points in mind when he "looks into the matter again to see whether there is any need to do anything further."

Planning Trade Exhibitions

FOUR meetings of the Committee on Exhibitions and Fairs, presided over by Lord Ramsden, have sufficed to produce what may be described as a working guide

to the participation of British industry in these prestige displays at home and abroad (Cmd. 6782). Broadly, the Committee's terms of reference were to consider (a) whether and how the annual British Industries Fair could best contribute to the national economy, but more particularly to the promotion of export trade, and (b) the exhibition policy to be pursued with particular reference to certain types of displays.

British Industries Fair

Dealing with the home aspect of the problem, the Committee urges the need for a national trade fair and recommends that this need should be met by the revival of the annual British Industries Fair, to be held in May, but that certain changes be made in its constitution and practice to improve its appeal. The main feature of the Fair, it is recommended, should be varied annually so far as possible and different industries should be given opportunities of staging corporate displays in central positions to give special character to the exhibition. Whilst, for the present, the lack of suitable buildings requires the continuation of two sections, one in London and one in Birmingham, it is recommended as a long-term policy that the Fair should be concentrated in one centre, and that for this purpose an accessible site in London should be secured with a view to the ultimate erection of permanent buildings to house, not only the British Industries Fair, but also other exhibitions. The post-war Fair will be held in 1947.

International Exhibition in 1951

The choice of the year 1951 for the holding of a universal international exhibition in London presumably rests on the fact that this date marks the centenary of the great international exhibition held in Hyde Park in 1851 on the initiative of the Prince Consort and the Royal Society of Arts. The Committee recommend that the 1951 exhibition should similarly be held in Central London. Such an exhibition should have for its purpose, it is suggested, the demonstration of the country's recovery from the effects of the war in moral, cultural, spiritual and material fields. It has been announced that Hyde Park will be considered as a site for the exhibition.

CHIEF OFFICIALS OF DRUG AND PHARMACEUTICAL ORGANISATIONS



Miss EDITH F. HAYWARD, M.P.S.
Honorary Secretary, National Association of Women Pharmacists

No. 8.. Specially drawn from life for The Chemist and Druggist

TEES-SIDE BRAINS TRUST

THE TEES-SIDE BRANCH, Pharmaceutical Society, held a "brains trust" in Middlesbrough on March 20, at which Messrs. E. A. Brocklehurst and T. Heseltine formed the trust, and Mr. R. Macdonald Murray acted as question-master.

Questions

When certain poisons are retailed, should the appropriate antidote be shown on the label?

HESELTINE: It is unnecessary if labelled with correct dose and "not to be taken."

Why have we no standard formula for, amongst other things, Dr. Hugh MacLean's powder, Indian brandy, phenol mixture, Dutch drops, zinc and castor oil cream, and especially "all fours"?

HESELTINE: As the sale of "all fours" is localised to a certain district, there is no need for standardisation.

BROCKLEHURST favoured standardisation, especially for phenol mixture. The question arose "when should such preparations be included in a National Formulary?"

QUESTION-MASTER suggested that including formulas and doses in the Codex would protect the public regarding quality, and would confine sales to chemists.

Should non-pharmaceutical trading by the pharmacist be prohibited?

HESELTINE: So many side-lines, cosmetics, etc., are the outcome of pharmaceutical skill and enterprise that it is difficult to define a true pharmaceutical product.

Should chemists advertise "Prescriptions dispensed 'while you wait' "? Does a statement of this kind not savour of a "jug and bottle" department?

BROCKLEHURST: Done discreetly this should not be to the detriment of the public and pharmacist.

HESELTINE: People coming into the town from the country want to wait for their prescriptions.

Some pharmaceutical students, owing to death of wage-earners in family, and other misfortunes, are unable to complete training due to lack of funds. Could not the Pharmaceutical Society do something for those students?

MR. BROCKLEHURST thought the Benevolent Fund could help. MR. HESELTINE agreed but thought that the Society would have to pass a new by-law to cover this point.

How can it be made possible for the "family chemist" to be represented on the Society's Council?

HESELTINE: By and large all v s are represented on the Council.

QUESTION-MASTER: Without some accommodation on the part of the Soc the representation of the employee d smaller pharmacist appears impractical.

Should we not have a clause in any dispensing contract prohibiting the advertising of dispensing services?

BROCKLEHURST: I cannot see the Government taking that view, and it is up to the profession to inform the Government and the public that chemists can give a dispensing service. MR. HESELTINE is against blatant advertising, and he lined the Society's action in this respect.

QUESTION MASTER: Some years ago, when there seemed a likelihood of certain contractors under the scheme allowing a dividend on prescriptions dispensed, the Government wisely prohibited such an unfair and unethical practice.

Why are the names of organisations represented on the Joint Committee not published in the "Pharmaceutical Journal" and should we not be told by whom, how, and where employed are all the members?

BROCKLEHURST: I can see no objection to this; members have the right to know.

MR. HESELTINE agreed with Mr. Brocklehurst.

Health Service

At present, as in the past, the Ministry of Health seems to approach the subject of provision of a pharmaceutical service as a commercial contract, whilst pharmacists have had to insist on the professional aspect of the service. Would it not be better to accept the Ministry's ideas of what the service ought to be, and then to quote a price for the service demanded?

HESELTINE: There has yet been no mention of terms, and we have not a clear idea of what is expected of us. I think we should have in poor areas larger fees than in the better areas. The final decision on terms should be ratified by all members of the Society. MR. BROCKLEHURST should wait to know our commitments before we discuss remuneration.

Should pharmacists deliver medicines dispensed under the new scheme, and should waiting rooms for patients be provided?

BROCKLEHURST: It might sometimes be advantageous to the pharmacist to do this. Should the Pharmaceutical Society and the National Pharmaceutical Union not be

action to secure that all B.P.C. and tablets are of standard weight and size?

ROCKLEHURST: This has already been commendation to the wholesale trade.

ould you agree that no person should be allowed to become a contractor under any new dispensing scheme unless his pharmacy is properly equipped in accordance with such minimum standards as may be prescribed by society and N.P.U.?

ROCKLEHURST: There should be a minimum standard of equipment laid down, it should be a reasonable one.

, in time, counter prescribing may be controlled and restricted or abolished, should we not now be opening up other channels of professional activity for pharmacists by making it clear to the dental, veterinary and optical professions that we are trained to provide them with a pharmaceutical service?

ROCKLEHURST: The matter is being pushed.

we win the pending test case with the manufacturers of recommended medicines, will it mean that the chemist will exclusively have the right to sell, apart from proprietary medicines, any substance, simple or compound, having medicinal qualities and prescribed as such?

1. BROCKLEHURST agreed.

chiefly, what are the advantages of the C.F.?

HESELTYNE: The C.F. manufacturers are prepared to back the private chemist to the hilt, and give him monopoly safeguards for even years. Each preparation on the C.F. has to comply with a high standard of quality. Further, a profit of 33½ per cent. is guaranteed.

ould it not be to the advantage of the Society, and give greater security to the profession as a whole, if we had a truthful reviewing of our title, which should be pharmaceutical chemist rather than pharmacist?

1. HESELTYNE said that, as a "minor" matter, he would say yes; but what could we do to our pharmaceutical chemists?

ow many dispensaries doing whole-time dispensing in well equipped dispensaries would be required for a town, say, of 60,000 inhabitants?

HESELTYNE: I should be inclined to say

before the meeting a dinner was given in honour of Messrs. Brocklehurst and Heseltine.

Toasts to the guests were proposed by Messrs. D'ARCY BRAY (president), W. R. KENBURY, T. SCHOFIELD, R. SLATER, H. DELVE, F. STAINSBY, and R. DONALD MURRAY.

NEW BOOKS

Sunflower for Food, Fodder, and Fertility.

—E. F. Hurt, 5½ in. × 8¾ in., 155 pp., 10s. 6d. Faber and Faber, Ltd., 24 Russell Square, London, W.C.1. Attention has been drawn previously in these columns to the potentialities of sunflower as a source of fine vegetable oil suitable for medicinal and other purposes (*C. & D.*, 1944. II. 217). After pointing out that sunflower has been exploited successfully in the Argentine, Russia, and other countries, the author describes how the crop may be introduced into Britain. Considerable importance is attached to the value of by-products of sunflower (dairy oil-cake, fertiliser, etc.) in the post-war food economy of Britain. The book is amply illustrated with photographic reproductions on art paper.

"British Journal" Photographic Almanac, 1946.—Editor: Arthur J. Dalladay.

A.Inst.P. 7¼ in. × 4¾ in. Pp. 446. Paper covers, 3s. 6d. Cloth covers, 5s. Henry Greenwood & Co., Ltd., 24 Wellington Street, London, W.C.2. Articles included in the current "Almanac," the eighty-seventh in the series, deal with, among other subjects, "Photography, Design and Planning," industrial design with miniature cameras, educational and other films for children, and the photography of lepidoptera. The year's formulas are reviewed. A glossary gives explanations of many chemical and photographic terms. There are, as usual, valuable tables and indexes, and a photogravure supplement reproduces thirty-two outstanding pictorial examples by leading exponents of the art.

Thorpe's Dictionary of Applied Chemistry.

—J. F. Thorpe and M. A. Whiteley. 8¾ × 5¾ in. Fourth Edition. Volume VII, Pp. 629. 8os. Longmans, Green & Co., Ltd., 43 Albert Drive, London, S.W.19. Under an editorial board presided over by Professor Sir Ian Heilbron, the editor of this standard reference work has taken as far as metallurgical acid the revised and enlarged fourth edition. Dr. J. N. Goldsmith, as usual, contributes an index, and the list of contributors contains over eighty distinguished names. Among lengthy and important monographs in the new volume are those on iodine, ionisation, jaborandi, vitamin K, kamala, ketones, lactic acid, lichen substances, lipins, and meat extract, thus proving once again, if that were necessary, that the varied yet specialised needs of pharmacists are well catered for in the "Dictionary".

A SYNOPSIS OF THE Rh FACTOR

THE discovery of Rh factor ranks almost with that of penicillin and the sulphonamides as one of the most significant contributions made to medical science within recent years. Knowledge of the factor applied clinically is daily saving lives of infants born with hæmolytic anæmia and jaundice (erythroblastosis foetalis, icterus gravis neonatorum), and is eliminating the risk during blood transfusions of reactions sometimes fatal.

History

In 1928 evidence from work conducted on the blood of human beings, cattle, and chickens, already indicated that the four blood groups, A, B, AB and O (derived from the factors A and B), did not wholly explain the agglutination properties of blood. With the aim of discovering further group factors Landsteiner and Levine, at the Rockefeller Institute, New York, experimented with anthropoid apes and other mammals and demonstrated in that year a new factor M. Little further progress appears to have been made until 1939 when, at Brown University, Providence, U.S.A., Wheeler and Stuart conducted experiments with blood of the rhesus monkey (*Macacus rhesus*). They injected rabbits with rhesus blood and showed that the rabbits' serum (which was then "rhesus-immune") reacted with human blood containing factor M. Landsteiner and Weiner followed this up, and in 1940 used rhesus-immune serum to demonstrate in certain samples of human blood the existence of a new agglutinin group factor, which, to signify its relation to rhesus blood, they designated the Rh factor.

Properties

Eighty-five per cent. of the white population of the earth possess this factor in their blood and are termed Rh positive, and

15 per cent. do not possess it, and termed Rh negative. The proportion varies with race; for example, about 92 per cent. of the Negro population, and almost 100 per cent. of the Chinese, is Rh positive. Unlike factors A and B, Rh agglutinogens are contained only in red blood cells and there is no corresponding factor contained in serum.



Rhesus monkey with young

When Rh factor is introduced into the blood of an Rh negative person, the production of anti-agglutinins is stimulated, and any further addition of Rh is likely to produce a severe reaction with lysing of red blood cells. In practice the Rh factor is introduced to an Rh-negative person in one of two ways, (a) by transfusion of Rh-positive blood, and (b) in the case of Rh-negative women in pregnancy through the placenta from an Rh-positive foetus (the Rh agglutinin being inherited from the Rh-positive father).

A person "sensitised" by either of these causes is given a transfusion of Rh-positive blood; this second addition of Rh factor probably precipitates a hæmolytic reaction. Until the discovery of Rh these reactions were without explanation.

In the case of the Rh-negative woman in pregnancy with an Rh-positive foetus further complication arises because anti-agglutinin produced in the maternal system (against the foetal Rh) is in turn passed back through the placenta into the foetal circulation, and there destroys the foetal erythrocytes; the result is stillbirth, hæmolytic disease at birth with the great risk of death soon after. Formerly, babies born suffering from infantile hæmolytic disease were often given a transfusion of the parents' blood. But giving the mother's blood only added more anti-Rh agglutinin and made the position worse, while the paternal blood, being like the infant's own

of little value, and the child would probably die an unexplainable death. Now, with the knowledge of Rh, a transfusion is given of Rh-negative blood which tides the infant over until the anti-Rh agglutinin is excreted or destroyed.

Applications

Sensitisation during blood transfusion is avoided by determining the Rh index of all donors and finding Rh-negative donors for Rh-negative recipients. In emergencies the precaution can be relaxed with Rh-negative men so long as Rh-negative blood is given in future transfusions; but with Rh-negative women the precaution is more important because the possibility of their becoming pregnant with an Rh-positive foetus has to be considered.

Ante-natal clinics Rh tests enable the likelihood of complications due to Rh phenomena to be detected in advance, and a close observation kept. Preparations are

made for transfusing the infant at birth, if necessary, with group "O" blood rhesus-negative, O.Rh(-), and for this purpose Rh-negative blood is stored in blood banks universally.

It is found that hæmolytic disease of the foetus occurs much less frequently than calculations based on Mendelian laws indicate. No adequate explanation for this is known, and it is admitted that details of Rh iso-immunisation are still far from complete. Recent developments of work on the factor indicate that the Rh factor is not a single substance but a mixture of agglutinogens, and that the erythrocytes of an Rh-positive person may contain one or any of these, and may form anti-Rh agglutinins with other varieties of Rh. These problems, together with the significance of Rh factor in breast-feeding, in the study of mental deficiency, and in anthropology, form important fields for present and future investigation.

LIABILITY FOR INJURED PASSENGERS

GIVING lifts to people is a generous act, which, however, involves serious risk; for the driver, and for that matter, the owner, of the vehicle may find himself faced with the unexpected liability of paying damages to the passenger in the event of his suffering any injury. The driver owes a duty to take care towards these "gratuitous passengers" just as he owes a duty to other persons on the road; and the fact that he receives no payment makes no difference. The extent of his duty furthermore is not limited to taking due care while driving or in charge of the vehicle. The driver must warn his passenger of any dangers that may be reasonably expected to be encountered on the road. Thus, owing to road repairs, the headroom below a bridge may be reduced, thus increasing the danger to any person standing upright in the vehicle. In such a case the driver must in advance warn the passenger of the risk, otherwise he will be liable to the passenger for any injury or damage the latter suffers in consequence. In a recent case, in fact, damages were awarded against the driver in such circumstances.

Where the driver is on his master's business, he will render his master equally liable in respect of his negligent driving of the vehicle or his omission to warn a passenger of dangers ahead. And the unfortunate employer accordingly may have to meet the bill. How can an employer pro-

tect himself? Perhaps the following advice may prove useful. In the first place let the employer make sure that his insurance policy protects him against a risk and a claim of this kind. If he is not protected he should see that he obtains the necessary cover at once. Secondly, the employer should give strict instructions to his drivers that in no circumstances are they to allow any unauthorised person to ride or even to be on their vans or lorries or other vehicles. They must expressly be forbidden to give lifts. But such instructions to the employees would not appear to be quite sufficient. Every vehicle should have conspicuous notices, both in the driver's cabin and also on the outside, to the effect that no unauthorised person is allowed on the vehicle.

Where these precautions are taken, the owner of the vehicle will be protected even though a driver should disobey the instructions and give a person a lift. The passenger in such a case, while he may have a claim against the driver, would have no claim against the owner of the vehicle.

New Antibiotic Claimed.—Tomatin, an antibiotic produced from the tomato plant, has possibilities for use in the treatment of fungi which attack the human body, according to a statement at a recent meeting of the American Chemical Society. The new compound is said to be useful in treating ringworm and athlete's foot.

NON-PYROGENIC SALINE INFUSION FLUIDS

1. PREPARATION. Abstract of a Paper by Messrs. J. P. Todd, Ph.D., Ph.C., J. T. Laidlaw, M.P.S., and G. R. Milne, Ph.C., read before an Evening Meeting of the Pharmaceutical Society in Edinburgh

AFTER some years of intensive preparation of saline infusion fluids we should like to exchange experiences with others engaged in this work. We have had to evolve methods which are simple and yet effective to cope with a large output, and as a result have had to discard many ideas developed during the swing-over from the days when pyrogens were not considered to the period when double distillation with permanganate from all-glass apparatus was considered essential. The raw materials used are of British Pharmacopœia quality, and each substance is submitted to tests of identity and suitability for use before being accepted for stock. The tested material is labelled as suitable and a record kept. So far we have not encountered any wrongly labelled samples, but have had occasion to reject some.

Advantage of Interchangeable Containers

Recently there has been discussion regarding the size of containers in use, but there is an advantage in using a container that is interchangeable with the standard Medical Research Council blood flask; we issue fluids in the standard flask. The containers used have caused trouble owing to flaking of the inner surface of the glass. The anticoagulant solution used in the Blood Transfusion Service consists of sodium hydrogen citrate with dextrose, and it has been found that, with the solution, the glass tends, after autoclaving, to separate in small specules which can be seen suspended in the solution. In addition, if water or saline solution is sterilised in a bottle that has been used on a previous occasion for citrate solutions, the glass surface frequently separates in large flakes. The trouble is so acute that great care has to be taken to avoid the use of any other than new bottles or bottles solely reserved for the preparation of saline fluids. Bottles previously used for citrate solutions should not be used for salines. The presence of other foreign bodies is also troublesome, and leads to a high proportion of rejects. We have not been able to overcome these faults.

In 1941 we read a paper at an Evening Meeting of the Society in Edinburgh, describing our method of preparing saline fluids. The method has not been substantially altered. The water is obtained by single distillation in Stokes stills working with a constant head of water, and with careful

control of the temperature of the water. The distillate is collected in 5-litre aspirators, in which the medicament is dissolved, and to this is added 0.02 per cent of purified carbon. The solution is freed from carbon by passing it through a 20-cm. single-plate filter, using a sterilising pad to remove the last traces of pyrogens as well as the carbon, taken through a No. 3 sintered glass filter to remove trace of fibre, and bottled. The solutions are sterilised at 115°C. for thirty minutes, the sterilised solutions inspected for particles, labelled, and capped. The agent which saline solutions may be used has been discussed at times, and in at least one of the solutions, if unused after one or two months, were rejected. Our turnover is rapid, and time of storage seldom exceeds two months, but on occasions where solutions had been placed at strategic points to meet emergencies and had not been used, we have had solutions returned after two or three years. Theoretically there can be no objection to such solutions, provided they remain clear and the seal is intact, and solutions such as these have been given to rabbits without any observable effect. We would have no hesitation in advocating their use.

Washing the Carbon

The carbon used by us has been mentioned in a previous communication. Our experience is that the carbon, as supplied, gives rise to haze after sterilisation, owing to liberation of metallic elements, chiefly phosphates. To prevent this we wash the carbon first with alkali, then repeatedly with hydrochloric acid, and finally with water until the wash waters are free from chlorine. The pH of water, as freshly obtained from the Stokes stills, is about 5.8–6, and rapidly falls to about pH 5.3 owing to absorption of CO₂. The solution, after addition of carbon, averages about pH 4.2, and, after passage through the Seitz filter, rises again to about 7.2 or 7.3. If allowed to remain in contact with the Seitz pads for fifteen minutes, may increase to pH 8. The rise in pH after passage through the Seitz pads may be attributed to traces of alkaline earth metals, but these are pharmacologically harmless. The alkalinity of the solutions may be advantageous when sterilising dextrose salines, as these may be expected to

melise in the presence of air and alkali. W careful sterilisation and rapid cooling coloration is not noticeable but, if the th solutions are allowed to cool slowly over so hours, coloration is pronounced. A no eable feature is the increase in acidity au solutions of dextrose which occurs on be claving. A solution with a pH of 7.2 re autoclaving falls to 4.0 after sterilisa- tion at 116°C. for thirty minutes. The de velopment of acidity does not run pa- rallel with increase in colour, and is pre- suably an independent phenomenon. It fr- equently happens that bottles in different pa- rts of the autoclave colour differently.

Acidity and Caramelisation

mples were chosen according to the de- gree of caramelisation, and the pH deter- mined. The results were as follows :—

5 PER CENT. DEXTROSE SALINE (SINGLE STERILISATION)

Group A	Colour very faint.	pH 3.93 (average of twelve samples).
Group B	Colour marked.	pH 4.26 (average of twelve samples).
Group C	Colour strongly marked.	pH 4.12 (average of twelve samples).

The next table shows the effect of re- peated sterilisation and cooling on a dextrose solution. The same sample was autoclaved repeatedly for thirty-minute periods at 116°C.

Original solution	1st Ster.	2nd Ster.	3rd Ster.	4th Ster.	5th Ster.	6th Ster.	7th Ster.
pH 7.2 Colourless	pH 4.10 Colour faint.	pH 3.60 Colour darker.	pH 3.60 Colour darker.	pH 3.36 Charring marked.	pH 3.41 Charring deeper.	pH 3.36 Charring deeper.	pH 3.36 Charring as before.

experiments were made to find the effect of varying time of heating, temperature and time of cooling on pH and colour. The results are shown :—

VARIATIONS OF TIMES AND TEMPERATURE OF HEATING AND METHOD OF COOLING

Autoclaved 30 min. at 116°C. : Allowed to cool with autoclave door closed, no air entering.	Coloration marked to deep.	pH 4.2.
Autoclaved 30 min. at 116°C. : Allowed to cool rapidly when autoclave opened as soon as safe to do so.	Practically free from charring.	pH 3.9 to 4.1.

Autoclaved 90 min. at 116°C. Cooled rapidly as above.	Deep coloration.	pH 4.1 to 4.2.
Autoclaved 45 min. at 110°C. Cooled rapidly.	No charring.	pH 4.1.
Autoclaved 15 min. at 125°C. Cooled rapidly.	Charring very faint.	pH 3.8.

2. TESTS. Paper by J. P. Todd, Ph.D., Ph.C., and G. R. Milne, Ph.C.

Small-scale experiments were made in which half of six bottles of sample were acidified after Seitz filtration by adding 3 mils of N/100 HCl per litre. The untreated fluid (six bottles) and the treated sample were autoclaved at 116°C. and 120°C. Results :

DEXTROSE SALINE (Relation between reaction before and after sterilisation)

pH of water from stills	pH of solution before Seitz filtration	pH after slow Seitz filtration	pH after autoclaving	
			116°C.	120°C.
6.72	5.54	8.70	4.10	3.75
6.36	5.87	8.85	4.22	3.77
6.38	5.70	8.00	3.95	Broken during autoclaving.

DEXTROSE SALINE (Adjusted by addition of 3 mils $\frac{N}{100}$ HCl per litre)

pH after adjustment	pH after autoclaving	
	116°C.	120°C.
6.6	4.22	3.74
6.8	4.26	3.95
6.35	3.85	3.56

Unfortunately, charring did not occur even in the control experiment as was expected. It is thought that this may have been due to the small batch of bottles autoclaved. The conditions of the experi-

ment are not strictly parallel to those existing under working conditions, where an autoclave may contain up to 170 bottles at once.

Difficult Standard

Freedom from temperature-raising principles is an important property in saline infusion fluids and distilled water. The standard is by no means easy to achieve, as organisms giving rise to pyrogenic substances seem to be widely distributed, and appear to be present in the atmosphere of most ordinary rooms as well as in most ordinary water supplies, and especially in certain organic types of medicaments. A delay in sterilising a solution may lead to an increase in its pyrogenic properties, especially if it contains dextrose or protein or its derivatives.

It has been our custom during the past few years to submit, for pyrogen test, samples of the various fluids made in the department, and to judge the suitability of our methods from the results obtained. It has not been necessary to test every batch, but it has been considered sufficient to send random samples at fortnightly or monthly intervals. For various reasons the tests were carried out by an independent worker, and the method employed has been the usual one of injection of the fluid into the ear veins of a group of rabbits. The mean temperature rise, with an indication of the number of individual positive reactions, gave the data from which an estimate of the properties of the test solution was made. The tap water used to supply the stills gave, in a recent test after sterilisation and test on groups of rabbits, the following results:—

Bottle A	Average temp. rise 0.94°F.	No. of positive reactions from temperature charts $\frac{4+?}{5}$
Bottle B	Average temp. rise 0.96°F.	No. of positive reactions from temperature charts $\frac{4+2?}{6}$
Bottle C	Average temp. rise 0.90°F.	No. of positive reactions from temperature charts $\frac{12+5?}{17}$

In the opinion of Dr. Crawford (Department of Pharmacology, University of Edinburgh) who did the tests, the amount

of pyrogens is not excessive, but indicates the presence of pyrogenic properties even in such a pure water supply as Glasgow's. The preparation of distilled water of low pyrogen content from this water presents little difficulty. Freedom from pyrogenic factor must be taken to indicate that suitable equipment and good technique were being used, but, on the other hand, the lack of nutritive material in the distilled water may have been responsible, as our results have been less satisfactory with other solutions, especially those containing dextrose. The influence of the operator is vitally important, and, in fact, the most carefully devised system of manufacture can be nullified by a careless operator.

Pure Water and Pure Saline

The average figures for distilled water (—0.02°F.) for normal saline (0.14°F.) for dextrose saline (0.38°F.) show that it is much easier to prepare pure water than pure dextrose saline. The expectation seems reasonable, and all our results have confirmed it. The results, in most cases, have been obtained without extravagant precautions, such as the addition of oxidising agents to the water (which would not have been possible with our large output), or the use of all-glass apparatus or of double distillation. The results were obtained while maintaining a large output during the stress of war-time conditions over five years, and can be taken to represent the average obtainable by ordinary careful workers. At no time has any adverse clinical report been received. Similar results could, in fact, be reproduced in any moderately well-equipped pharmacy or hospital dispensary. The question of standards to which the solutions might be expected to conform is likely to arise in the next edition of the Pharmacopoeia. Figures suggest that, for distilled water and solutions of inorganic substances capable of test, a figure of 0.3°F. would be a reasonable maximum, and for solution of dextrose or similar substances 0.6°F. would be adequate allowance on the basis of 0.1 mils per kilo body weight administered to rabbits. The United States Pharmacopoeia XII, sets up a limit of pyrogens present in water for injection. The test states that 10 mils of the test solution per kilo body weight should be administered by the intravenous vein, and that not less than five rabbits be used for each test. The test is considered positive if three or more of the animals show an individual rise in temperature of 0.6°C. (1.08°F.) or more above the normal established for each animal.

OVERSEAS TRADE NEWS

Japanese Olive Oil Exports.—A Beyrouth message states that exportation has been comprised of 3,000 tons of olive oil from Syria and 1,000 tons from the Lebanon.

India Bans Forward Contracts in Coconut Oil.—Reuter states that the Travancore Government has prohibited forward contracts in coconut oil with effect from January 1.

Uganda to Increase Cottonseed Output.—A Nairobi message states that special efforts are being made in Uganda to increase production of cottonseed to assist the export position in Britain.

Argentine Export Tax on Grains and Oilseeds.—The Argentine Government has approved a decree establishing an export tax of 2 centavos per 100 kilos on grains and oilseeds. The tax is retrospective from January 1.

Britain Buys Whale Oil.—It is reported that Sandefjord (home port of the Norwegian whaling fleet) that Britain has signed an agreement for the purchase of 17,400 tons of Norwegian whale oil. Canada and the United States have also purchased 2,000 and 1,000 tons, respectively.

Swiss-Danish Trade Agreement.—A trade agreement between Switzerland and Denmark, covering the remaining period of 1945, was concluded on April 20. The agreement provides, *inter alia*, for Danish exports to the value of 41 million kroner (approximately £2,160,000) whilst Switzerland will supply Denmark with products to a total value of 38 million kroner (about £2,000,000), including chemicals.

U.S. Views on German Dyestuffs Industry.—Reuter message from New York reports the scheme for the resumption of dyestuff production in Germany on a scale sufficient to satisfy domestic needs and a portion of other central European requirements is being studied by the Allied Control Commission is not rejected by the American Government. While French and British interests are stated to be wholly opposed to any resumption of industry in Germany, it is stated in the United States that payment for imported foodstuffs might be partially offset through this means.

U.S. Toilet Products.—Amplification of the Office of Price Administration's order reviving the price controls on perfume, toilet Cologne and toilet waters (*C & D*, 20, p. 508) reveals that price controls have also been removed from various com-

pounds for treating and beautifying hair, from cuticle removers, eye mascara and shadow, eyebrow dyes and pencils, eyelash dyes, hair bleaches (except peroxide), hair dyes and lacquers, liquid wave sets, permanent wave creams, solutions and lotions and powdered wave sets. Controls are being retained, however, on face powder and creams, nail enamel, tooth-paste and shaving creams, baby oils, soap-based shampoos and other products containing soap.

French Perfumery Industry Lacks Raw Materials.—Reuter reports from Paris that the French perfumery industry is suffering from a severe shortage of basic essences which is accentuated by difficulties hampering the transportation of new supplies from French Colonies. The prices of these basic essences are at present about ten to fifteen times greater than before the war. The resulting high export prices, however, do not appear to curtail overseas sales of high-class perfumery. Export markets are likely to be confined to Sweden, Switzerland and the South American countries as well as to the United States. Although some of these countries have developed luxury industries during the war, demand for high-class French perfumery has not decreased. Another factor complicating the supply of raw materials is the increase in the number of manufacturers. Since January this year about 300 new firms have entered the market.

Brazilian Exports.—Exports of vegetable oils, mainly cottonseed oil, oiticica oil, castorseed oil, cocoa palm oil, and babassu oil occupy an important place in Brazil's foreign trade. Data revealing the trend of these exports appeared in a recent number of the "Bulletin of the Conselho Federal do Comercio Exterior." The Bulletin states that exports of castorseed oil rose from 583 tons in 1939 to 12,629 tons in 1943. In 1944, however, only 7,916 tons were exported and exports dropped further during the first ten months of 1945 when only 4,688 tons were shipped. Exports of Bahia cocoa palm oil amounted to 175 tons in 1941 and increased to 1,331 tons in 1942. During the first ten months of 1945, 950 tons were exported, of which 79 per cent. went to Argentina, 16 per cent. to Uruguay and the balance to Peru, Colombia, Martinica and Cuba. It is reported that exports of Brazilian menthol increased from 272,700 kilos to 568,100 kilos in 1945.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary according to brand or grade.

28 Essex Street, W.C.2, April 24

TRADE during the few days of business so far this week has been rather quiet, but there is evidence of a fair volume of inquiry for export. Values of manufactured products and natural commodities are very firm and there are few price changes to record. There is little to comment on in the PHARMACEUTICAL CHEMICALS markets. Business continues to move on routine lines, at unaltered prices.

Crude Drugs

Reports from the CRUDE DRUGS section indicate a quiet but steady routine business, with most quotations firm. ANTIMONY continues firm at unchanged rates. BISMUTH metal is steady at the recent substantial advance. BUCHU LEAVES may be obtained in small quantities on spot. CASCARILLA is nominal, but further supplies are expected. KARAYA GUM is in good demand for seasonal requirements. NUTMEGS are exceedingly scarce and quotations are dearer. PIMENTO is fractionally easier on the spot. Selected grades of TRAGACANTH continue scarce, but prices are unchanged.

Essential Oils

The ESSENTIAL OILS position has shown practically no change during recent weeks. As noted last week (p. 509) Brazilian SASSAFRAS and LEMONGRASS have been removed from the Essential Oils Control scheme of distribution with import subject to licence.

U.S. Drug Market Report

New York, April 18

THE FINE CHEMICALS markets have been featureless over the past week with generally firm conditions prevailing. MENTHOL and MERCURY have displayed little activity, though the quotation on the latter may ease somewhat, it is thought, as a result of imports of Mexican and Spanish metal. On reports that Japanese agriculture may be restored, hopes for supplies of CAMPHOR, AGAR and MENTHOL from this pre-war source are rising. Meanwhile, CAMPHOR TABLETS continue scarce though synthetic powdered material is available in reasonably good quantities. The SALICYLATES are still in short supply though a decline in the

winter demand for these materials should shortly be in evidence; hopes for relief from the THYMOL shortage before June are rapidly vanishing as the basic materials position shows no signs of improvement. GLYCERIN remains extremely tight and the higher quotation on PODOPHYLLIN established last week has been maintained. While stocks of CRUDE DRUGS are reported at an extremely low level, high replacement costs and unfavourable prospects for the collection of this year's crops have maintained a firm market. Both GOLDEN ROOT and PEPPERMINT LEAVES are not very scarce while BALSAM COPAIBA reached a new high figure. Heavy detentions at the port of New York by the Food and Drug Administration have occasioned considerable caution in importers' efforts to replace depleted stocks from abroad. Further reductions in the prices for Chinese CAMPHOR and ANISEED OILS are announced. For prompt shipment, the former is now quoted at \$3 and the latter at \$1.65, compared with \$3.75 and \$1.75, respectively, 10 weeks ago. There is little demand reported for these materials. The removal of maximum prices on a considerable number of OILS and AROMATICS will result in higher prices on perfumes, with a resultant slackening-off in demand. The Government-owned stocks of Italian LEMON are now stated to be ready for distribution to the trade and will sell at a price comparable with that for the Californian product. PEPPERMINT hardened slightly during the week. The brighter sugar prospects for the confectionery and soft drink industries. PETITGRAIN and CARDAMOM advanced during the week to slightly higher levels.

Exchange Rates on London

Bank of England fixed rates at the closing on Wednesday morning were:—

Centre	Quoted	April
*Alexandria	Piastres to £	97½-9
Brussels	Francs to £	176½-1
Copenhagen	Kroner to £	19.32-1
Dutch West Indies ...	Florins to £	7.58-7
Oslo	Kroner to £	19.95-2
Paris	Francs to £	479.7-4
Lisbon	Escudos to £	99.80-1
Montreal	Dollars to £	4.43-4
New York	Dollars to £	4.02½-1
Stockholm	Kroner to £	16.85-1
Zurich	Francs to £	17.34-1

* Free market rate

Pharmaceutical Chemicals

ETANILIDE.—Demand continues fair. Price steady at 2s. 5d. per lb. for powder, and 2s. 10d. for crystals.

PHETAMINE.—Steady at makers' price of 1s. 6d. per lb.

PIRIN.—Makers' prices per lb. for the home market are steady. Rates, in quantities of 1 cwt., are as follows (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

PIRIN TABLETS.—Makers quote bulk supply per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 10d.

PROPIONE.—Home market prices per oz. are: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SODIUM, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. 6d. ETHYL BROMIDE and METHYLNITRATE, 75s.

RIUM SULPHATE, B.P. (x-ray).—Prices are quoted by makers, in 28-lb.-1 cwt. lots, in some sales are (containers in brackets): 1s. 4d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

RAX.—Ton lots are quoted as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per cwt. Packed in one-cwt. bags, delivered c.i.f. paid in Great Britain, in one-ton lots upwards.

RIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £60; powder, £62. Commercial grades, £8 per cwt. Packed in one-cwt. bags, delivered c.i.f. paid in Great Britain, in one-ton lots upwards.

OMIDES.—**POTASSIUM**, in quantities of 1 cwt., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). **SODIUM**, 1½d. per lb. less, and **AMMONIUM** 1½d. per lb. more, than above prices. Prices are net without engagement. The clause applies.

UCINE.—Makers' prices per oz. are:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
Alkaloid ..	s. d. 1 4½	s. d. 1 4	s. d. 1 3½
Nitrate ..	1 3½	1 3	1 2½
Sulphate ..	1 3½	1 3	1 2½

LORAL HYDRATE.—Steady; current prices as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 1d.; less, 5s. 3d.

DEINE.—Current prices per oz. for small quantities are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. **HYDROCHLORIDE.**—½ oz., 50s.;

1 oz., 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 45s. **PHOSPHATE.**—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

CITRATES.—Prices per lb. current in the home market for **POTASSIUM CITRATE, B.P.**, are as follows:—

Containers	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb. ..	3 11½	—	—	—	—
4 lb.-7 lb. ..	3 10½	3 9	—	—	—
7 lb.-14 lb. ..	3 9½	3 8	3 7	—	—
14 lb.-28 lb. ..	3 8½	3 7	3 6	3 5½	—
28 lb.-112 lb. ..	3 7½	3 6	3 5	3 4½	3 3½

Prices net one month. 1 lb. and 4 lb., in bottles or tins; 7 lb. and 14 lb., in bottles, tins or jars; 28 lb., in tins. **FERRI ET AMMON. CIT.**, B.P., 2d. per lb. above; **SODIUM, B.P.**, 3d. per lb. below; **POWDER**, 1d. per lb. extra.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. **HYDROCHLORIDE.**—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 3 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. **HYDROCHLORIDE.**—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.-28 lb., in 14-lb. lots, 11½d. per lb.; 28 lb.-112 lb., in 14-lb. lots, 11½d.; in 28-lb. lots, 10½d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): **ALKALOID.**—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). **HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.**—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Current home quotations are: **POTASSIUM IODIDE, B.P.**—112 lb., 9s. 3d.; 28 lb., 9s. 9d.; 14 lb., 10s. 3d.; 7 lb., 11s. 9½d.; 4 lb., 12s. 3½d.; smaller quantities, 12s. 9d. per lb. **SODIUM IODIDE, B.P.**—28 lb., 10s. 2d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5½d.; 4 lb., 13s. 1½d.; smaller quantities, 13s. 11d. **IODIFORM, B.P.**—28 lb., 13s. 4d.; 14 lb., 13s. 10d.; 7 lb., 16s. 0½d.; 4 lb., 16s. 10½d.; smaller quantities, 17s. 8d. **IODIFORM CRYSTALS.**—2s. per lb. above powder prices. **IODINE RESUBLIMED, B.P.**—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5½d.; 4 lb., 14s. 1½d.; smaller quantities, 14s. 10d.

LACTATES.—Prices are as follows: **LACTIC ACID.**—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. **CALCIUM LACTATE.**—Small quantities, 2s. 5d. per lb. **CALCIUM SODIUM LACTATE.**—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, LIGHT.—Prices per lb. for the home market, in quantities of 28 lb.-1 cwt., are as follows (containers in brackets):

IVES.—Zanzibar quoted on spot at 1s. 1d. to 1s. 2d.; shipment, April-May, 9½d. per lb., buyers' licence.

STATEMENT issued by the Zanzibar Clove Growers' Association shows that exports of cloves to Great Britain and Northern Ireland during 1945 amounted to 95 cwt., compared with 1,416 cwt. in 1944, and 1,000 cwt. in 1943. The largest importer of Zanzibar was India (98,606 cwt. in 1945), followed by the United States (38,894 cwt. in 1945). Other large importers were (1945 figures in brackets): South Africa, 1,928 cwt.; Turkey, 1,900 cwt.; Sweden, 1,000 cwt.

CHINEAL.—Silvers and blacks are both quoted at 5s. 6d. per lb.

COA BUTTER.—Officially priced at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COCONUT.—Fair white pulp may be quoted on spot at from 2s. 6d. to 2s. 9d. per lb.

CITRUS LEAVES.—Portuguese is offered at 10s. per cwt., and English at 2s. 6d. per lb.

COM ACACIA.—Spot quotation for Kordofan and other sorts is steady at 67s. 6d. per cwt.; cleaned, 145s.; cleaned Talha, 42s. 6d.

CORNBANE.—Indian leaf may be obtained on spot at 250s. per cwt., and Egyptian (*muticus*) at 250s. per cwt.

CAP.—Material testing 12.1 per cent. is available on the spot at 3s. 3d. per lb.

CAMALA.—Price is nominal at 2s. 9d. to 3s. 6d. for material testing 6 per cent.

CAYA GUM.—Spot quotations for Indian and other gums are unchanged at 215s. per cwt.

CELENUTS.—Small spot supplies are quoted for all sorts: African quarters, 8d. per lb.; in halves, 6d.; Jamaican washed halves, 6d.

CINTHOL.—Suggestions are reported from all sources at 40s. per lb., but buyers are not interested at that price. In any case it is unlikely that further licences will be available until June. Price from Brazil is reported to be firmer, and in bond quotations 30s. per lb.; spot prices at 30s. to 32s. 6d., duty paid.

MERCURY.—Prices are controlled by the Royal Order of Mercury (No. 11) Order, 1945 (S.R.O. 1945, No. 1129) (*C. & D.*, October 13, 1945, p. 388).

NUTMEGS.—Supplies are exceedingly scarce. Indian 80's are now at 4s. 6d. per lb., unassorted at 4s. 3d., and wormy and broken at 4s.

PEPPER.—Cochin quoted on the spot at 37s. 6d., and Mangalore at 37s. 6d.

PEPPER.—Whole, not picked over or cleaned for processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper.

PEPPER.—Quiet, with spot sellers at the unusually easier price of 1s. 3d. per lb.; cleaned, 122s. 6d. per cwt., c.i.f.

PALM BARK.—Supplies are reported to be plentiful. Natural will be at 110s. per cwt., and cleaned at 130s., ex warehouse.

RHUBARB.—Since last week's report more offers have been received from China but not accepted. Last price indicated was 10s. 6d. to 11s. per lb., c.i.f., for rough-round.

SEEDS.—FENNEL is quoted on spot at 175s. per lb.; FENUGREEK is at 85s.; Indian DILL, 90s. to 95s.; and Moroccan CORIANDER, 165s.

TRAGACANTH.—Selected grades continue scarce but the price is unchanged at £160 per cwt. Medium grades are quoted as follows: No. 1 white, £145 per cwt.; No. 2, white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Spot, 100s. per cwt., ex Liverpool.

VALERIAN ROOT.—Belgian material may be obtained on spot at 280s. per cwt.

WAXES.—BEES'.—Quoted on the market as follows: Dar-es-Salaam, spot, 330s. per cwt.; shipment, April-May, 310s., c.i.f.; Benguela, April-May, 275s., c.i.f.; Abyssinian, April-May, 280s., c.i.f. CARNAUBA.—Fatty grey, spot, 880s. per cwt., nominal; chalky, 850s., nominal; prime yellow, 1,100s., nominal; shipment, fatty grey, 850s., nominal; prime yellow, 1,020s., nominal. OURICURI.—Spot, nominal; to arrive, 620s. per cwt., c.i.f., 7 per cent. basis. CANDELLA.—Spot, nominal; shipment, 465s. per cwt., landed terms.

Essential and Expressed Oils

CASTOR.—Bulk supplies of "firsts" are officially priced at £82 per ton and "seconds" at £80, both naked ex works.

CLOVE.—English-distilled bud oil continues firm at around 13s. per lb.

A statement issued by the Zanzibar Clove Growers' Association shows that the quantity of Zanzibar clove oil exported to Great Britain and Northern Ireland during 1945 amounted to 487,466 lb., approximately the same as in the previous year.

COCONUT.—The following are the fixed prices for bulk quantities: Crude, £49 per ton; refined deodorised, £49; refined hardened deodorised, £53.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined edible, £57; refined deodorised, £58, naked ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

LINSEED.—Bulk supplies of crude are quoted at £65 per ton, naked ex works.

NUTMEG.—Based on the present price of nutmegs, this oil would be worth from 70s. to 75s. per lb.

PALM KERNEL.—Bulk supplies are officially priced as follows: Refined deodorised, £49 per ton; refined hardened deodorised, £53, naked ex works.

TRADE MARKS

(From "The Trade Marks Journal,"
April 3)

"DORLIM"; for industrial, agricultural, horticultural and forestry chemicals (excluding insecticides, etc.), manures (1). By the Dorking Grey Stone Lime Co., Ltd., Betchworth, Surrey. 638,079 (Associated).

"HARMARK"; for industrial, scientific, photographic, agricultural, horticultural and forestry chemicals (excluding insecticides, etc.), preservatives (1). By Harborough Aircraft Construction Co., Ltd., Harbitt Works, Logan Street, Market Harborough, Leicestershire. 638,217.

"RIVAGES"; for toilet preparations, perfumed soap and perfumes (3). By Societe D'Etudes et D'Expansion de la Parfumerie de Luxe, c/o A. W. Parfitt, Stafford House, Norfolk Street, London, W.C.2. B637,288.

"HUNTSMAN"; for perfumery, toilet, cosmetic, depilatory preparations, dentifrices, toilet articles, hair waving sachets, soaps (2). By F. W. Hampshire & Co., Ltd., Sunnydale Works, Sinfen Lane, Derby. 638,218.

"KOAGAMON"; for pharmaceutical preparations for control of venous and capillary bleeding (5). By Chatham Pharmaceuticals, Inc., c/o Frank B. Dehn & Co., Kingsway House, 103 Kingsway, London, W.C.2. 634,031.

Device of a unicorn; for all goods (5). By the Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 635,596 (Associated).

"LAVENTA" (device of crinoline lady); for toilet paper (medicated) (5). By Willad Paper Mills, Ltd., 29 Oxford Street, Newcastle-on-Tyne, 1. 636,050 (Associated).

"VIRIGON"; for preparations of testosterone (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 637,081.

"MOLIRON" for pharmaceutical preparations of iron for treatment of anæmia (5). By White Laboratories, Inc., c/o McKenna & Co., 14 Waterloo Place, Pall Mall, London, S.W.1. 637,608.

"MEDORA"; for medicated preparations for human use (5). By A. I. Gardner, 36 Neath Road, Hafod, Swansea, Glamorgan. B637,850.

"MY LADY"; for sanitary towels (5). By R. M. Broadhead, Westmount, Seaview Road, Broadstairs, Kent. B638,087.

"BISMECOL"; for pharmaceutical and veterinary preparations consisting of or containing bismuth (5). By May & Baker, Ltd., Dagenham, Essex. 638,617.

"VANTI"; for fungicides, insecticides and preparations for killing weeds (5). By Ashe Laboratories, Ltd., 120/22 Victoria Street, Westminster, London, S.W.1. 638,647.

"PERMAK"; for shaving brushes (21). By H. Perkins, 82 Hornby Road, Blackpool. 638,811.

"Avo"; for electrical instruments, apparatus and contrivances for surgical, medical or

curative purposes (10). By the Automatic Coil Winder & Electrical Equipment Co., Ltd., Winder House, 21 Douglas Square, London, S.W.1. 635,899 (Associated).

"INTEX"; for hair combs (21). By International Express Co., Ltd., Imperial Hotel, Regent Street, London, W.1. 637,800.

"PROTHRICIN"; for all goods (5). By S. & Dohme, Ltd., 4 Brocket Road, Hoddeston, Hertfordshire. 638,782.

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification 634,966 by Esco (Rubber), Ltd. The address of the applicants has altered so as to read 99 Kingsland Road, London, E.8.

(From "The Trade Marks Journal,"
April 10)

"PENTABOR"; for boric oxide and chemical compounds of boric oxide, for industrial purposes (1). By Borax Consolidated, Ltd., Regis House, King William Street, London, E.C.4. 635,968.

"POLYBOR"; for boric oxide and chemical compounds of boric oxide, for industrial purposes (1). By Borax Consolidated, Ltd., Regis House, King William Street, London, E.C.4. 635,969.

"RECTIGRAPH" for photographic paper (1). By the Haloid Co., 6 Haloid Street, Rochester, New York, U.S.A. B638,710.

"DANDROL"; for toilet preparations (not medicated) for treating the hair and scalp (3). By Stirling Chemical Products, Ltd., 11 Mill Street, Ballymena, co. Antrim, Northern Ireland. 638,107.

"DROX"; for rust-removing fluid (3). By Practical Patents, Ltd., 108 Jermyn Street, London, S.W.1. 638,135.

"AVRENE"; for perfumes, soaps, toilet preparations (not medicated), cosmetic preparations and dentifrices (3). By Anderson & Virgo, 12 The Foregate, Worcester. 638,805.

"SALUS"; for medicated toilet paper (1). By Harold Wesley, Ltd., Harlesden Stationery Mills, Acton Lane, Harlesden, London, N.W.10. 631,449.

"MAGNOLEUM"; for preparations of magnesia for human use (5). By Thomas Kerfoot & Co., Ltd., Bardsley Vale Mills, Oldham Road, Bardsley, Lancs. 635,197.

Device of a bottle superimposed with the letter H, on special pattern; for all goods (5). By C. J. Hewlett & Son, Ltd., 43 Charlotte Road, London, E.C.2. B635,410.

"SANODA"; for weed-killers and vegetable destroyers, insecticides, fungicides, sterilizing preparations and disinfectants (5). By Sanoda Manufacturing Co., 216 High Street, Pendleton, Salford. 635,756.

"TRAVLA" and "TRAVLEX"; for sanitary towels (5). By Southalls (Birmingham), Ltd., Charford Mills, Alum Rock Road, Salford, Birmingham, 8. B637,937, 637,938 (Associated).

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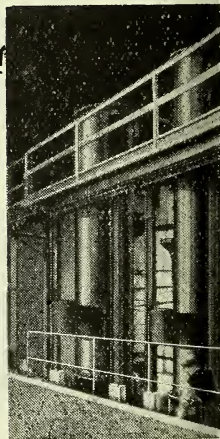
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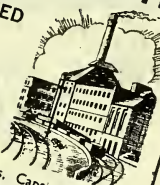
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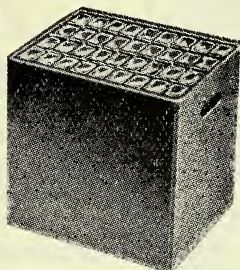
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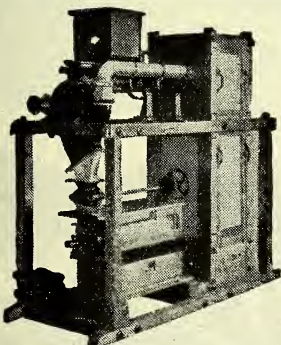
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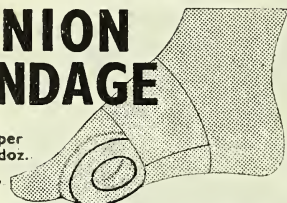
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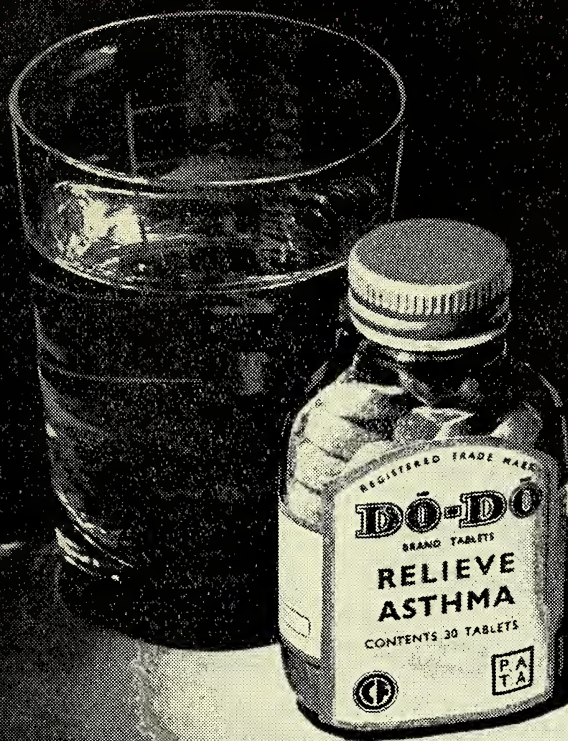
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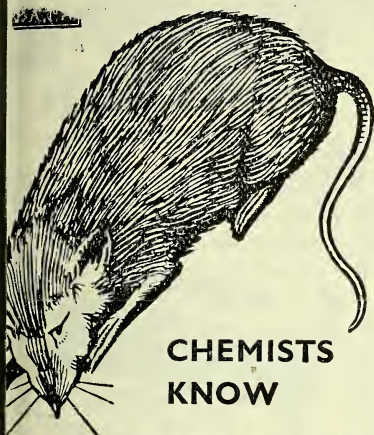
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Attractive 8-oz. Tins retail at
1/10½ (including purchase
tax).

THOMAS HARLEY LTD. **PATA**

5, SOUTH METHVEN ST., PERTH, SCOTLAND

To clear that Catarrh

One very helpful method is provided
by the Mascot Liquid Inhalant. It is
ideal for colds in the head.

FORMULA: Camph. 20%, Menthol 20% Ol.
Eucalypt. 10%, Ol. Pini. Sylv. 5% Ol.
Citriod 1%, Paraff. Alb. Liq. Ad. 100

*It's the little finger tip dose that
counts*

MASCOT

(T. M. Regd.)
LIQUID INHALANT

Full Particulars from

MASCOT LABORATORIES

55, South Methven St., PERTH, SCOTLAND **P.A.T.A.**

NOT ONE
AT A
TIME



RODINE

Phosphorus

BEETLE & COCKROACH POISON

gives

WHOLESALE DESTRUCTION

Sole Makers:

PATA

T. HARLEY LTD., PERTH, SCOTLAND

Little-known Limericks—No. 24

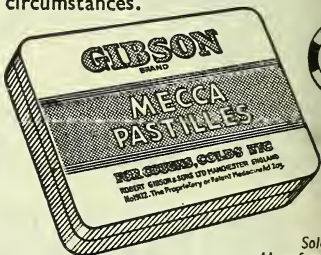
If there's one thing the
Brand's man detests,
It's turning down special
requests.
So with sorrowful heart
He says: "No, it's my part
To mind *all* of the trade's
interests."

The Brand's man genuinely dis-
likes having to say NO to his
customers. But the Brand's policy
is, very definitely, to play fair to
everybody. Our limited supplies
are distributed on a strict quota
basis, so that every retailer gets
his fair share.

BRAND & CO. LTD.
LONDON

GIBSON Brand
MECCA
PASTILLES

Can still be obtained, but only in limited quantities.
Order now and you may rest assured that we will meet your demands so far as we possibly can under the present circumstances.



Sole
Manufacturers

ROBERT GIBSON & SONS, LTD
MANCHESTER & LONDON

BEAR
BRAND
HONEY

BULK AND PACKED
FOR MANUFACTURING
AND TABLE USE

L. GARVIN & Co. Ltd
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THE BEAR HONEY CO. LTD
ISLEWORTH, MIDDLESEX

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CLINICAL PRODUCTS LTD., RICHMOND, SURREY.
manufacturers of

MENOPAX

PREPARATIONS

announce that as from **APRIL 1st 1946**

they have decided to transfer the Distribution of Menopax Preparations to:

MESSRS. S. MAW, SON & SONS, LTD.

Aldersgate House, NEW BARNET, Herts.

who will as and from that date, act as **SOLE DISTRIBUTORS**
for these products in Great Britain and Northern Ireland.

NORTHERN IRELAND

Harry J. R. Mayrs & Co. Ltd., Royal Chambers, Royal Avenue, Belfast,
will act for Maw's of Barnet in this territory.

"Please send orders to Maw's of Barnet and Mayrs' of Belfast respectively."



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THE FOUR CORNERS

OF INDIA

avoid hit-or-miss marketing methods. Let us assist you in organising your sales in the Indian market.

- We have a sales network covering the whole of India.
- Experienced salesmen constantly visit doctors and druggists all the year round.
- We maintain exact, authoritative all-India mailing lists of doctors.

Write or cable:

ORIENTAL PHARMACEUTICAL INDUSTRIES LTD.

Mahim, Bombay 16 (India).

Tel. Address : Opilworks.

Bankers : Bank of India Ltd., Bombay.

FOR A
QUICK SELLING
LINE...



POWDERS
ALSO IN TABLET FORM

Made to a sound, approved formula. Extensively advertised and showing good profits.

MANUFACTURED BY A. S. PRICE LTD.
Manufacturing Chemists, Blackheath, Birmingham
A Few Areas open for Agencies



Box's Pills

Your friend for more than 50 years, BOX'S PILLS carry on the good work of helping the public's digestion through difficult times.

P.A.T.A. retail prices (including P. Tax):
1/3, 3/6, 4/10½, 12/6, 21/9.

W. H. BOX

161 KING STREET, PLYMOUTH

ADMUL

REFINED GLYCERYL
MONOSTEARATE EMULSIFIERS

For promotion of Oil-in-Water
or Water-in-Oil emulsions
of great stability

Limited quantities are now available

Please address inquiries to

ADVITA LIMITED

2 KINGSCOTE STREET, LONDON, E.C.4

ADL 1-



THE NEW PINE FRAGRANT
SUBSTITUTE FOR SOAP.

Carlton

SOAPLESS CONCENTRATE

For Steady SALES and Ready Repeat

- Copious Pine fragrant lather:
- Does more than soap will do:
- Does not dry up the skin, leaves it soft and silky
- Washes all delicate fabrics, e.g. silks, wools, etc., in tepid water:
- Will foam in hard water equally as well as in soft:
- Saves soap and is most economical in use.

Enquire of your usual Wholesaler

Made by **CARLTON LABORATORIES LTD.**
1-5 Joiner's Arms Yard, Denmark Hill, London, S.E.5

PALESTINE

oundly established and Reput-
a Agency and Importing House
s connection with British
Manufacturers of Drugs, Chemi-
c Chemists' Sundries and
Cosmetics.

open to buy on own account or
agency terms.

Senior Partner now in London
available for approximately
the weeks.

*Correspondence invited,
write to Box 966/125,*

The Chemist & Druggist
28 Essex Street, Strand
LONDON . W.C.2

VOLA SELTZER GRANULES IN INCREASING DEMAND -ARE YOU READY?

A wide-
spread advertising
campaign in local news-
papers has been released for
"VOLA SELTZER" Granules.
Strongly recommended for Headaches—
Indigestion—Heartburn—Flatulence—
Biliousness—Over-Indulgence—and Fatigue.



VOLA SELTZER GRANULES

Retail 2/3 including Tax
From your usual wholesaler or direct from
JOHNSON AGENCIES (Proprietaries) LTD.
Clarendon Works Croydon, SURREY



Eye Health

OPTABS are universally favoured. Easy to pack
or carry. Fresh solution ensured for each time of
use. Aggressive advertising covers the country.

Retails at 10d., 2/6, 5/6 (taxed)

Trade 6/-, 18/-, 40/- per dozen (plus 16 $\frac{2}{3}$ % tax).

In attractive show outers.
Wholesale enquiries invited.

Order NOW

and

play liberally.

Optabs

EYE LOTION TABLETS

"The Eyes
Best Friend
For Years."

OPTABS LTD.
Chapel Street, Bradford.
Phone: Bradford 12028.

'ASPRO'

FIXED PRICES

5 TABLETS (One Tape) **3 $\frac{1}{2}$ d.**
 10 TABLETS (Two Tapes) **6 $\frac{1}{2}$ d.**
 27 TABLETS (in Packets) **1/3 $\frac{1}{2}$**

P.A.T.A.

AN IMPORTANT NOTICE TO RETAILERS

The recognised P.A.T.A. prices of 'ASPRO' approved by the Central Price Regulation Committee, which must not be exceeded under the Price Control Regulations, are shown above. Unfortunately a number of cases have recently come to our notice where, probably owing to inexperienced staff, customers have been charged 7d. for two tapes. We must, therefore, point out that the price at which this pack is sold to the chemist provides HIS FULL PERMITTED RATE OF PROFIT when he sells at

TWO TAPES—6 $\frac{1}{2}$ d.

**7d. FOR TWO TAPES
IS AN OVERCHARGE**

We emphasise this point to save inconvenience to trade and public.

The above prices do not apply to Eire.

Made in England by

ASPRO LIMITED
SLOUGH . BUCKS

ASPRO
REG. TRADE MARK

CONTROL OF HEAD LICE

Nits and Head Lice can now be dealt with quickly and economically without unpleasant evidence of treatment.

An N.W.F. formula now being used exclusively by Public Health Authorities.

'Semploria'
BRAND

MEDICATED (LETHANE) HAIR OIL N.W.F.

Insecticide for control of Nits and Head Lice

★

'SEMPLORIA' MEDICATED (LETHANE) HAIR OIL IS IN URGENT AND RAPIDLY INCREASING DEMAND

Retail (2-oz.) 1/1 $\frac{1}{2}$ d. including P.T.
 List 8/- doz. Packed in 2-dozen outers.

P.A.T.A.

STEMCO LTD., 128, Albert Street, London, N.1
 Agents in Eire—May Roberts (Ireland) Limited, Dublin

NOW AVAILABLE

"Leda"
BRAND OF

D·D·T

LIQUID SPRAY

Specialy prepared for Household use
 NON-INFLAMMABLE, NON-POISONOUS
 NON-STAINING.

Ready for immediate use. Full directions on each bottle.

Also in Powder Form.

Samples and prices available to Wholesalers from Manufacturers.

LEDA CHEMICALS LTD.

94 ARCHWAY ROAD, N.19
 ARC. 4544 & 1024

SUPPLIES ARE STILL LIMITED



(Protected by P.A.T.A.)

Now that Peace has at last returned to the World we wish to extend our grateful thanks and appreciation to all our friends for their kind co-operation in the past six years of difficulty.

We shall continue to give the best service we can during the period of reconstruction and feel sure that we shall have their confidence and sympathy until such time as trade conditions become more normal.

W. T. OWBRIDGE Ltd.
The Laboratory
HULL

Always in GREAT DEMAND

This strongly advertised non-alcoholic tonic is a sure seller now and will be a big stand-by in future.

NO LICENCE REQUIRED

Sold by all good Chemists and Stores

Price 5/- & 3/-

M. CALTHORPE & CO., LTD.

Manufacturing Chemists, OSSETT



NON-ALCOHOLIC

**SUITABLE FOR
YOUNG & OLD**

**FOR
ADULTS**
W. T. OWBRIDGE LTD.
THE LABORATORY
30 ST. E. R., LONDON, E.C.

VIRONITA

VYRO-NIGHT-A
TONIC & RESTORATIVE

THE CHERITONE COMPANY PRESENTS

**3 TONICS TO
RECOMMEND**THERE IS ALWAYS A STEADY
DEMAND FOR**1 MELUSINO Tonic Wine**

For sale by licensed Chemists only 7/6 & 14/-

2 CHERITONE Tonic Cup

2/9 & 5/- including tax

3 CHERITONE Tonic Tablets

1/-, 2/6 & 5/- including tax

*Attractive Trade Terms
Samples furnished on request*

CHERITONE CO., LTD., 149, FARRINGTON RD., E.C.1.

*Have you a***PETS CORNER ?**

Have you weighed up the idea of making the welfare of your district into customers' welfare is becoming an increasing public interest. Pet owners are consulting experts about the health of their dogs and cats. Every chemist can turn these facts to profitable advantage by stocking George Bell's Blood Salts for Dogs, and Cat Powders.

Send for trade price list to

**BELL & SONS, LTD., Veterinary Chemists
LIVERPOOL 13**

GEORGE

BELLS**BLOOD SALTS for Dogs
CAT POWDERS**

The Knox Policy

The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction or money refunded.

To-day, in their Nation-wide advertising, all announcements carry this guarantee of honest trading and straightforward dealing.

**MONEY REFUNDED
IF DISSATISFIED**

if for any reason you are dissatisfied with Cystex, return empty package to Manufacturers at address below, and the purchase price will be refunded in full.

Cystex
THE KIDNEY TONICFor KIDNEYS, BACKACHE
RHEUMATISMAMPLE SUPPLIES
ARE NOW
AVAILABLEAll orders executed promptly
in full.**Mendaco**For ASTHMA
BRONCHITIS, HAY FEVERKNOX LABORATORIES LTD., 81 LAMB'S CONDUIT STREET,
LONDON W.C.1



Queue feet—constant custom

There's nothing like standing in a queue for reminding a woman that her feet hurt her. Every day, hundreds who've been wearily waiting for their rations, suffering considerable foot pain, pass your shop.

Link up with the Scholl Organisation and be ready to offer them quick relief. Display Scholl Foot Aids and catch their attention as they pass by. The public know and trust Scholl's scientific remedies. They are in big demand *now!* Write for our price list, and let us know the needs of your business. You'll find it a most profitable step.

We can thoroughly recommend the following products:—
Zino Pads, Tarso Pads, Felt Pads for corns, callouses, bunions.
2-Drop Corn Remedy, Bunion Lotion, all give prompt relief.

SCHOLL MANUFACTURING CO. LTD.

SCHOLL

182-204 St. JOHN STREET, LONDON, EC1

When mothers want to know more about M.O.F.

How and when this fortified Infant Cereal can be used

M.O.F. is a finely sieved Infant Cereal processed for quick cooking. Here are some facts that you will find useful when recommending it.

GENERAL USE

M.O.F. is recommended for general use in infant dietary from 5 months onwards, either added to a simple milk mixture or, later, as the staple part of a mixed diet. M.O.F. may be prepared with fresh milk or dried milk, and contributes significantly to the daily intake of the vitamins and minerals specified below.

EARLY WEANING

When weaning has to take place at an early age, M.O.F. may be given from 3 months. Because it increases the calorific content of a simple milk mixture, M.O.F. is particularly beneficial to the underweight infant at this stage.

SUPPLEMENT TO BREAST MILK

At the time when breast milk starts to diminish it may be supplemented with feeds of M.O.F. mixture. In this way partial breast feeding may often be maintained for a further period, to the benefit of both mother and child.

COMPOSITION OF M.O.F.

Per cent.	Grams per 100 g.
Fat 6.2	Fat 1
Protein 10.7	Protein 3
Carbohydrate 70.0	Carbohydrate 19
Mineral Matter 2.7	Iron Mg. per 100 g.
Fibre 0.2	Calcium 12
Moisture 10.2	Phosphorus 15

Vitamin B ₁ as Aneurin Hydrochloride	Per 100 g. 0.079 g.
Vitamin D	600 I.U.
Calories	

Compare this with any other Infant Cereal



M.O.F. IS PREPARED BY A. AND R. SCOTT LTD., WEST MILLS, COLINTON, MIDLOTHIAN, SCOTLAND

The CHEMIST AND DRUGGIST SUPPLEMENT

Supplement is included in every copy of the Chemist & Druggist

APRIL 27
1946

28, ESSEX STREET, LONDON, W.C.2

Advertising restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra.

SITUATIONS OPEN

40 words or less, 2d. for every additional word.

RETAIL (HOME)

STANT fully qualified required for permanent position in Department Store. No holiday or duty. Write giving age experience and required to Staff Controller, Bentalls of London.

INGHAM. Branch Manager required. Salary and commission. Excellent prospects. Particulars please. C. L. Highfield, Ltd., 100 Road, Smethwick, Staffs.

ISTS' Assistants (ladies) wanted for Clerical work in the N.H.I. checking bureau and stock departments. Apply: National Pharmacy Union, 4/5 Queen Square, W.C.1.

NDON Area. Qualified or Unqualified assistant urgently required, medium-class, old-established business. Phone (Livingstone 2310), call , Beale & Son, 3 High Street, South Norwood,

ENHAM. Manager to run brisk counter business with fair N.H.I. Must be energetic, control staff, and progressive. Good wages, sent. Write 966/115, C. & D. Office.

YSHIRE. Qualified manager to take entire charge. Permanent position. State salary commission. Williamson, Chemist, Market Ilkeston.

HAM COUNTY. Old-established private firm at Sunderland require Qualified Manager for retail department. Excellent prospects for ambitious man. Interesting and varied work. Being salary £8 8s. Apply giving full particulars 966/113, C. & D. Office.

WARE, Middlesex. Qualified Superintendent of good-class trade. Bonus offered. If married full employment for wife if necessary. 966/103, C. & D. Office.

M, Surrey. Unqualified Lady Assistant with counter and dispensing experience required for business. No Sunday or half-day duty. According to experience. Apply, giving usual particulars, to G. Loxton Grinstead, 2 Upper High Epsom, Surrey.

ES, Middlesex. Manager or Manageress required for modern pharmacy, with good accommodation over shop. Good salary. Part position. W. E. Murray (Yeading), Ltd., 100 King Lane. Tel. 356 (ask for Mr. Heathcock).

OR Assistant, unqualified, required for dispensing; either sex. Must be quick and efficient. Apply Managing Director, Lewis Wing, 100 Regent Street, Weston-super-Mare.

Unqualified Assistant for Chemists' counter. Central London. Apply Lewis & Burrows, Ltd., 100, E.C.1.

ON. Young Qualified Chemist, or experienced unqualified, to assist in management of retail pharmacy. Good salary and prospects. Day work. Comfortable position. Voluntary contribution scheme. 964/956, C. & D. Office.

NORTH LONDON. Pharmacist required to manage branch in busy shopping centre. Must be good at display. Plenty of scope. Apply stating salary required and giving full particulars to 966/114, C. & D. Office.

PHARMACIST, man or woman, required. Duties chiefly dispensing. Apply Staff Controller, William Whiteley Ltd., Queensway, Bayswater, W.2.

P. JEYES & CO., LTD., Wholesale and Retail Chemists with several branches, have a vacancy for a young Qualified Assistant for retail pharmacy, permanency, with good prospects. Full particulars in first letter to P. Jeves & Co., Ltd., 6 The Drapery, Northampton.

QUALIFIED Manager required for London, E.3, pharmacy. Living accommodation available over shop premises. Suit newly-married pharmacist. Write, giving usual particulars and references, to Shadforth Prescription Service, Ltd., Mitre Works, Cordova Road, London, E.3.

QUALIFIED Assistant required for dispensing and counter. Full particulars to W. B. Stather, Ltd., 100 Halifax Road, Wadley Bridge, Sheffield.

QUALIFIED Chemist required. Management. Re-opening of West End Pharmacy. Applications to 962/883, C. & D. Office.

QUALIFIED Permanent Branch Managers required in June (a) For clean N. Wales colliery village, with modern house in pleasant locality in Wrexham; (b) For residential village a few miles from Wrexham; house attached, premises in delightful country district. Please submit full particulars on application, stating salary required. Holiday Relief Managers also required—mid-May to October. 966/127, C. & D. Office.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS LTD. require an Unqualified Assistant for their Woolwich Branch. Good salesman and sound knowledge of photography essential. Apply in writing stating age and experience, also salary required, to the Staff Manager, Royal Arsenal Co-operative Chemists Ltd., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

SURREY. Unqualified Lady or Gent required for dispensing and counter. Salary to be arranged at interview. Apply: Best of Epsom, High Street, Epsom.

UNQUALIFIED or recently Qualified Assistant (male) required for Counter Work in high-class Pharmacy. Apply J. W. Quibell, Ltd., 885 Finchley Road, Golders Green, N.W.11.

UNQUALIFIED Assistant, Lady or Gentleman, for good-class family business. Permanency. State wages required. Williamson, Chemist, Market Place, Ilkeston, Derbyshire.

UNQUALIFIED Assistant, Ilford District. Good wages for man of initiative. Permanent position. Phone ILF 1756 or write 966/120, C. & D. Office.

UNQUALIFIED Assistant wanted for City Pharmacy. Good hours. No half-day or Sunday duty. Part time Student might suit. Near Bank station. Please state salary required. Interview. 966/119, C. & D. Office.

UNQUALIFIED Assistant required for counter and window dressing. Please state with references, experience, age and salary required. F. Coupland, M.P.S., 15 College Parade, Croydon Road, Beckenham, Kent.

UNQUALIFIED Male Assistant required for counter and dispensing. No Sunday or holiday duties. Salary £6 weekly. Apply: E. Tranmer, M.P.S., 42 High Street, Smethwick, Birmingham.

WALSALL STAFFS. Unqualified Male Assistant required. Competent and thoroughly experienced dispensing, display and counter. Shelley, Caldmore, Walsall.

WANTED as Manager, Qualified Lady or Gentleman (with option of purchase). Apply 966/118, C. & D. Office.

WANTED. Qualified Chemist (Male or Female). New opening for Galston Co-operative Society, Ltd. Applications giving full details of qualifications, age, salary expected, on or before May 20 to the Managing Secretary, 8 Brewland Street, Galston. Endorse applications "Chemist."

WANTED, unqualified, some experience including dispensing. State age, salary to 966/121, C. & D. Office.

LOCUMS WANTED

LOCUM required for three consecutive weeks in June, July or August. Qualified or experienced unqualified. No Sunday or half-day duties. Apply: Reid (Chemists), Ltd., 12 Station Parade, Bramley Road, Southgate, N.14.

PHARMACIST required for locum work for several branches in the Bournemouth and Dorset Areas. Accommodation can be arranged; generous terms. Congenial work with good staff. Write 967/150, C. & D. Office.

PHARMACIST required for locum work for several branches in the East Anglia and Essex Areas. Accommodation can be arranged; generous terms. Congenial work with good staff. Write 967/148, C. & D. Office.

PHARMACIST required for locum work for several branches in the Gloucester Area. Accommodation can be arranged; generous terms. Congenial work with good staff. Write 967/149, C. & D. Office.

QUALIFIED Locum Wanted for 4 weeks or for 2 weekly periods. Please apply W. E. Matthews, Ltd., 40 George Street, Croydon.

QUALIFIED Locum required for 2 weeks in the summer. Mercer's, Ltd., 265 Oldham Road, Rochdale, Lancs.

QUALIFIED Locum for last 3 weeks in June. Particulars from Jasper Hall, Solihull. Also Unqualified Dispenser, whole or part time.

TIMOTHY WHITES & TAYLORS have vacancies in London and South of England for Pharmacists to undertake holiday locum duties. Long or short periods, on satisfactory terms can be arranged to suit times available. Please apply stating district preferred to Retail Staff Manager, 70 Vauxhall Bridge Road, S.W.1.

WOLVERHAMPTON. Qualified Locum required for four weeks together or 14-day periods. Please apply, giving usual particulars. No Sunday or half-day duties. R. T. Blenkinsop, 91 Wolverhampton Road, Heath Town, Wolverhampton.

WHOLESALE

A FIRM of wholesale chemists are prepared to consider the appointment of a full time Representative for London and the Home Counties. Applications will be only considered from those having a full knowledge of the trade and a good connexion among chemist retailers on this territory. Please reply in confidence giving full resume of past experience, salary required, etc. Box No. 739, Mason-Peacock, Ltd., 134 Strand, W.C.2.

AGENTS working on commission and call for good-class pharmacies wanted in all parts of the country to sell an entirely new product. area covered, frequency, and other lines 967/139, C. & D. Office.

AMPOULES AND HYPODERMIC TALKERS. A Qualified Chemist wanted by London facturing house. Write, quoting reference with details of age, experience and salary to 966/131, C. & D. Office.

ASSISTANT Librarian (young) required by Chemical Manufacturers. Candidates have qualification as pharmacist or a degree in chemistry or biology. Languages desirable. according to age and experience. Write in confidence to Personnel Officer, May & Baker, Dagenham, Essex.

DISTRIBUTORS of Nationally advertised cosmetics and Toilet Preparations required. Representatives calling on Chemists, Stores, S. men, etc., in the following areas: Wales, York, N.E. Coast, Norfolk, Suffolk, Essex, Gloucestershire, Somerset, Cornwall and Devon. Reputable bringing good repeat business. Good commission. Write first instance giving full details of present experience to Box 296, c/o Pool's, Aldwyche, London, W.C.2.

ESTABLISHED wholesale Chemist and Druggist. Sundriesman (recognised C.F. and P.A.) have vacancies for live Representatives capable of handling their extensive range. Write first instance to 967/135, C. & D. Office.

EXCELLENT Tablet Maker required by new firm. Good prospects and salary. Write first instance to 966/147, C. & D. Office.

EXPERIENCED Representative required for time only, to call on stores and chemists for a new patented product. Expenses and commission. Write Box No. 530, L.P.E., Martin's Lane, W.C.2.

EXPORT Manager. £500 per annum plus commission on turnover. Considerable business already established, but large-scale sales required, enormous stocks for prompt delivery. Excellent sole export agencies. Send full details of experience, age, qualifications, etc. 965/993, C. & D. Office.

FACTORY Forewoman required to take charge of approximately sixty women engaged in packing of Fine Chemicals and allied products. The Barking area. Reply stating age, experience and wages required to 963/927, C. & D. Office.

GOOD Organiser required as Works Manager for Manufacturing Chemists. Full details of salary required in confidence to 966/124, C. & D. Office.

KORAY, LTD. require two first-class Representatives, one for part Lancashire and Cheshire and one for Derby, Nottingham and Leicestershire. Permanent career for man of experience, knowledge and ability on salary, commission and expenses. Apply in writing giving full details of career. We regret we cannot accept incomplete applications but all letters will be answered. Koray, Hanover Square, London, W.1.

LABORATORY Assistant required by Manufacturing Chemists. Position would suit a 5-day week. Apply with particulars of education and experience to 966/130, C. & D. Office.

LABORATORY Chemist required by well-known Manufacturing Chemists for analysis, and testing of B.P. preparations in process. Applications in confidence to 966/129, C. & D. Office.

LEADING Wholesaler and Manufacturer require a Qualified Representative to call on chemists in Birmingham and Warwickshire and another for South Wales territory. Applicant should not be over 36 years of age, hold pharmaceutical qualification, and preferably have had experience on the territory. Full particulars to 967/144, C. & D. Office.

ON. A well-known British Manufacturer of biological, chemical and pharmaceutical products requires three Medical Representatives to the hospitals and doctors in Central, South and London. Experience on these territories an age. Must be qualified and not over 36 years. Full information regarding experience and applications to 967/143, C. & D. Office.

FACTURING Chemists producing exceptionally attractive and popular specialities sole agents for the following territories: (a) North of Thames, (b) Eastern Counties, (c) Bucks, Berks, Beds. Oxford, Herts, (d) Wales. Existing accounts passed applicants must be men of matured experience established connections with Retail and Wholesale Chemists, Stores and Co-ops. Write in giving fullest particulars including present and age. 967/152, C. & D. Office.

CAL Representatives. A leading manufacturer of ethical medical products requires pharmacists as representatives to call on and hospitals in Birmingham, Manchester, Counties. Age not over 35 years. Pharmaceutical experience in propaganda and sales present suitable juniors considered for training, or willing to live on territory. Details of qualifications, etc., to 967/145, C. & D.

RS. JOHNSON AGENCIES (Proprietaries) Ltd., of Clarendon Road, Croydon, require a representative for Yorkshire, part Lancashire and East Coast. Salary, expenses, and commission. Address applications to Sales Manager. Required by small Laboratory in Cuffley district to supervise ampouling and capsuling of doctors' prescriptions. £400 p.a. The applicant considered. 965/995, C. & D.

ESTABLISHED House. Manufacturing Chemists and Wholesale Druggists, seek the aid of a gentleman to represent them in the West and South Coast (including South Wales). Commission and expenses. Must be well known and have good connection; own car preferred. Of experience in confidence to 965/974, C. & D. Office.

REPRESENTATIVE for Northern Ireland required distributors of nationally advertised Toilet and Chemists' Sundries. 966/132, C. & D.

REPRESENTATIVE to call on retail pharmacists, hospitals and doctors in Leicestershire and on behalf of well-known wholesaler and purveyor. Qualified, age up to 35 years. Experience on territory an advantage. Usual commission to 967/146, C. & D. Office.

REPRESENTATIVES required for London, Southern Counties, Midlands, Wales, Northern Ireland and Scotland, to handle good selling toilet on commission basis. Reply stating lines handled, territory covered, age, and possess a car. Excellent opportunity and guaranteed. 967/138, C. & D. Office.

SITUATIONS WANTED

18 words or less, 1d. for every additional word.

RETAIL (HOME)

Assistant, experienced, seeks part or full employment. A.M., 68 Deans Road, London W.7. N Pharmacist, age 28, requires position as manager. Current managerial experience. Reference from present employer. Family for change. Unfurnished accommodation and self essential. 967/147, C. & D. Office. MACIST (34) married, seeks situation in Devonmouth or near. All-round experience, and Multiple. Unfurnished accommodation. 966/122, C. & D. Office.

LOCUMS SEEKING ENGAGEMENT

STUDENT, 21, wishes post in Isle of Wight area, relief for August. 4 years' retail apprenticeship. 966/133, C. & D. Office.

WHOLESALE

EXECUTIVE wants post. Qualified both as Chemist and Sales Manager, 35 years' experience of trade, last 20 proprietaries. Can visualise line and prospects, conduct market research, know modern production methods, presentation, cost to economic ratio, distribution, sales and advertising, general management and profit engineering. Experience second to none. Know both home and export trade. Want executive post where knowledge and experience appreciated. 966/101, C. & D. Office.

LADY Representative. 34, free from direction, disengaged. Smart, pleasing personality, well introduced. Many years' sound connection chemists and stores, London suburbs, Essex, etc. Seeks post with reputable house. 967/140, C. & D. Office.

REPRESENTATIVE seeks position with reputable house. Well-known to chemists, stores, etc., South, South-West of England. Twelve years with one house. 966/116, C. & D. Office.

WELL-KNOWN Agent calling 20 years' West Country requires another line. First-class connection chemists, stores, etc. Two lines carried at present. Only first-class product and sole agency considered. 967/134, C. & D. Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

ADVERTISER requires drug, photo and toilet store or premises to let within 12 miles West London Suburbs. Would entertain partnership with enterprising party willing to co-operate with man having many years' experience retail, manufacturing, formulating and production of cosmetics, etc. "Regesan." 966/117, C. & D. Office.

DRUG Store wanted; with living accommodation preferred; London or Home Counties. Cash waiting for sound business. Full particulars in confidence to C. & D. Office. 963/930.

PRIVATE Pharmacist seeks Business. Hants or Dorset. Turnover £2,000 or over. Living accommodation essential. Full cash available on completion. Particulars in confidence to 966/123, C. & D. Office.

PRIVATE Pharmacist requires small good-class business in pleasant district within an hour of London. Living accommodation essential. Neglected or drug store might suit if scope. Kent, Sussex, N. or N.W. London preferred (but not essential). 964/942, C. & D. Office.

SMALL Manufacturing Chemist or cosmetic and toilet preparations business required. Consideration given to retail chemist with manufacturing licence. Box C.38, Lee & Nightingale, Liverpool.

WANTED, Drug Store or Herbalist with living accommodation. Must be sound business or partnership considered up to £2,000. London preferred. W. Foster, 141 Station Road, Herne Bay, Kent.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

WHOLESALE and Manufacturing Chemists in Scotland require Distributors as Buying Agents for their products, in England. Areas from Derby southwards, including Wales. Existing connections given. Large range of goods. No cosmetics. 967/136, C. & D. Office.

WHOLESALE Chemists covering all Scotland require Buying Agencies for all types of goods, excepting cosmetics. 967/137, C. & D. Office.

APPOINTMENTS

ASSISTANT PHARMACIST required by **MIDDLESEX COUNTY COUNCIL** at **CLARE HALL COUNTY HOSPITAL**, South Mimms, Middlesex. Applicants must hold one of Pharmaceutical Society's qualifications. Commencing salary £260 p.a. plus cost of living bonus (now £60 p.a.); increments of £10 up to £300 p.a. considered annually. Whole-time duties under Medical Director and Chief Pharmacist. Unestablished post (establishment now being considered). Application, stating age, quals., experience, enclosing copies of up to three recent testimonials, to Medical Director of Hospital **IMMEDIATELY**. Application forms not provided. (Male candidates should state position with regard to military service.)

BRISTOL ROYAL HOSPITAL

Incorporating the
BRISTOL ROYAL INFIRMARY and **BRISTOL GENERAL HOSPITAL**.

Applications are invited for the post of Senior Pharmacist. Salary as per scale recommended by Joint Negotiating Committee (Hospital Staffs). Age between 30 and 40 years. Candidates, who must be fully qualified under the Pharmacy Acts, holding either the qualifying certificate of the Pharmaceutical Society, the major qualifications of the Pharmaceutical Society, or a degree in Pharmacy, to send their applications, stating age and giving details of experience, together with copies of 3 recent testimonials, and the names and addresses of 3 referees, on or before June 30, 1946, to the House Governor, Bristol Royal Hospital.

NORTH STAFFORDSHIRE ROYAL INFIRMARY

Assistant Pharmacist (female M.P.S.) required; also Assistant Dispenser (female, Apothecaries Hall). Salary at B.H.A. scale according to qualification and experience. Applications with details of experience and copies of testimonials to be sent to the Secretary and House Governor, North Staffs. Royal Infirmary, Stoke-on-Trent.

SURREY COUNTY COUNCIL

KINGSTON COUNTY HOSPITAL, Wolverton Avenue, Kingston-on-Thames. (Permanent appt.) **ST. LUKE'S HOSPITAL**, Guildford. (Temp. appt.)

ASSIST. PHARMACIST. Must be M.P.S. or Ph.C. Salary £250 x £10-£300 p.a., plus bonus 23/- p.w. male, 18/6 p.w. female. Apply to Medical Superintendent.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 2d. for every additional word.

TO TABLET MANUFACTURERS.

LONDON firm of Manufacturing Chemists with ample accommodation would like to come to suitable arrangement or would purchase outright a Tablet Making factory. 966/123, C. & D. Office.

TABLET Manufacturer can undertake further work of pressing off clients' own materials. Write 967/142, C. & D. Office.

PARTNERSHIPS

ACTIVE Partnership required by Qualified Chemist in Wholesale or Manufacturing in or near London. Capital £2,000 to £3,000 available. 962/875, Q. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional

AUTOMATIC Cream Filler wanted at once price paid. Shavex Co., Bavaria Road, Wey, N. 19.

EDIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office. **MICROSCOPES**. We do not pay high prices for old junk, but for fine modern apparatuses are the best in the trade. If you have a dependable overhauled microscope, consult us for criticism in ten years, and that speedily rectified that is our record. Wallace Heaton, Ltd. (Incorporated), 7511, ask for Mr. Cole, 127 New Bond Street, London, W.1.

PARAPHENYLENEDIAMINE required. Price per day offered for quantity up to 500 lbs. Please write Box 824, Aldridges, 1 White Street, London, E.C.4.

SACCHARIN Tablets wanted, please. Bulk packed. Cash waiting. Kindly oblige quantity. 964/943, C. & D. Office.

STEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

SWEETENING Tablets. Bulk or packed quantity. Cash waiting. 964/949, C. & D. Office.

WANTED. Machine for sifting and blending powders. Gardner's make preferred. Particulars to 964/962, C. & D. Office.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 1/2 Panels; divisioned Cartons to hold these. Samples and prices to S. Tatlow & Co. Ltd., Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne required. 625/524, C. & D. Office.

MISCELLANEOUS SALE

12/6 for 60 words or less, 1/- each additional 10 words

FOR SALE. Two 6 ft. by 29 in. mahogany lift-up glass top counter cases. Perfection. Seen at Nageles, 8/12 Broadwick Street, W.1.

FOR SALE 200 unused flat-top trolleys 2 ft. x 14 in. x 14 in. high on four 10 in. rubber-tyred wheels. £4 each. Reed B. (Engineering) Ltd., Albion Works, Alberta London, S.E.17.

SACCHARIN Envelopes, limited stock available; minimum supply 6,000 6/6 a thousand. Lewis East, Ltd., Elm Makers, Leicester.

SEVERAL hundredweight of Triple Stearic Acid, 130/132°, to clear; also 10 of 4-oz. slip-on-lid tins. Reasonable offer refused. Lennard, Lee-Narvill & Co., Ltd. Narvill Laboratories, Anlaby Road, Hull.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional

BAKER STREET (near), London, W.1. class retail Chemists' Shop. Business established 50 years. Takings over £60 per week. Good Under management. Lock-up shop and back lease. Price £3,000, including stock and fixtures. 964/946, C. & D. Office.

EXPORT TRADE

EGYPT. Reliable firm with good connections among wholesalers and retailers seeks a firm of British Manufacturers of Pharmaceutical, Surgical, Surgical Instruments, Dressings, Glass Cosmetics and Perfumes. Address replies to Box 953/552, C. & D. Office.

Direct your enquiries to
The associated
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Carnegie Chemicals
(Welwyn) Ltd
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The Offices and Works of both Companies are at:—

HEWIN ROAD, WELWYN GARDEN CITY, HERTFORDSHIRE

Telephone : Welwyn Garden 506 (4 lines) Telegrams : "Carnechem, Welwyn Garden"
where all communications should be addressed



Resuming Normal Supplies

Although all demands for FELSOL cannot yet be met as quickly as we should like, we are pleased to announce that production is now steadily increasing week by week. Supplies therefore are not so limited as previously and the delays in deliveries caused through war-time hindrances are gradually being overcome.

With the efforts now being made to resume normal supplies, it is hoped that, in the near future, all orders for the standard size will be executed without delay. For the time being the large size must still be reserved for physicians' private prescriptions, hospital and N.H.I. dispensing purposes.

In thanking pharmacists for their patience and co-operation, we again apologise for inconveniences caused by circumstances beyond our control.

P.A.T.A.

BRITISH FELSOL COMPANY LTD

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.

Telephone CLERkenwell 5862 Cables 'Felsol' Smith, London.